SD340

marantz®

model SD340

Stereo Cassette Deck

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ company has created the ultimate in stereo sound. Only **original MARANTZ parts** can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ equipment are generally available to our National Marantz Subsidiary or Agent.

ORDERING PARTS:

Parts can be ordered either by mail or by telex. In both cases, MARANTZ part number has to be specified. If you order by mail, fulfil MARANTZ order forms.

MARANTZ S.A.
EUROPEAN PARTS DEPARTMENT
2, Avenue Léopold III
B-7120 PERONNES-lez-BINCHE
BELGIUM
TWX: 57589 SEPLT B

SUPERSCOPE NATIONAL PARTS DEPARTMENT
20525 Nordhoff Street
Chatsworth, California 91311
Phone: 1-800-423-5108
Phone: 1-213-998-9333

The following information must be supplied to eliminate delays in processing your order:

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature: any order form or telex must be signed otherwise such part order will be considered as null and void.

PARTS ORDERING:

Parts may be ordered from the following addresses:

EUROPE

MARANTZ S.A.
European Parts Department
2, Avenue Léopold III
B-7120 Péronnes-lez-Binche
Belgium
Telex: 57589

MARANTZ DENMARK
Bregnerødvej 132b
3460 Birkerød
Denmark
Telex: 39137

MARANTZ BELGIUM
45 Rue Auguste Van Zande
1080 Brussels
Belgium

MARANTZ NEDERLAND B.V.
Wagenmakersweg 3
3449 HV Woerden
Netherlands

MARANTZ AUSTRIA Ge.M.B.H.
25 Franz Lisztgasse
2380 Perchtoldsdorf
Austria
Telex: 113583

MARANTZ S.A.
326 Avenue Louise Bte 32
1050 Bruxelles
Belgium
Telex: 26602

MARANTZ FRANCE
4 Rue Bernard Palissy
92600 Asnières
France
Telex: 611651

MARANTZ SVENSKA A.B.
Svartviksvägen 56
Träneberg Bromma
Sweden
Telex: 13449

MARANTZ ITALIANA S.p.A.
Via Monte Napoleone, 10
20121 Milano
Italia

MARANTZ GERMANY G.M.B.H.
Max-Planckstrasse 22
6072 Dreieich 1
Germany
Telex: 4185316

MARANTZ AUDIO U.K. LTD.
Unit 15/16
Saxon Way Industrial Estate
Moor Lane
Harmondsworth UB7 OLW
Great Britain
Telex: 935196

AUSTRALIA

MARANTZ AUSTRALIA PTY., LTD.
19 Chard Road
Brookvale, NSW 2100
Australia
Telex: 24121

U.S.A.

MARANTZ COMPANY, INC.
National Service Dept.
P.O. Box 577
Chatsworth, CA 91311
U.S.A.
Telex: 4720284

JAPAN

MARANTZ JAPAN, INC.
35-1, 7-chome, Sagamiono
Sagamihara-shi, Kanagawa
Japan
Telex: 22878

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please, contact the nearest facility for the necessary assistance.

> In case of difficulties, do not hesitate to contact the Technical Department at abovementioned address.

NOTE–FOR U.S.A. ONLY

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

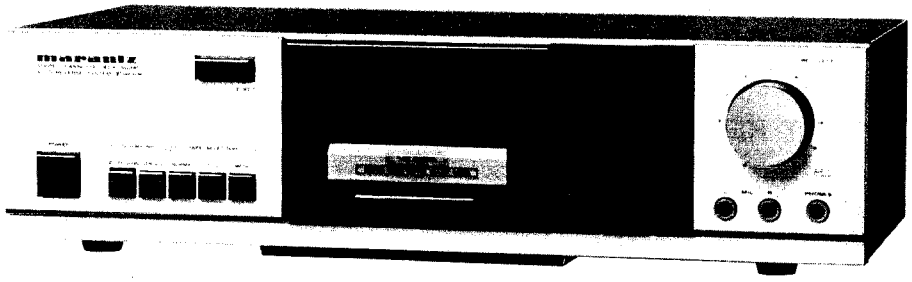
Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order forms which are available from SUPERSCOPE NATIONAL PARTS DEPARTMENT.

marantz®

TABLE OF CONTENTS

SECTION	PAGE
INTRODUCTION	1
1. SHOCK, FIRE HAZARD SERVICE TEST:	1
2. P.W. BOARDS	1
3. TEST EQUIPMENT REQUIRED FOR SERVICING	1
4. DESCRIPTIONS	2
4.1 FORWARD/REVERSE Mechanism Switching	2
4.2 Playback Equalizer Amplifier	3
4.3 Dual Pre-Amp for Auto Reversw TA7405P (QJ25)	3
4.4 Operation of Playback Equalizer	4
4.5 Equalizer Switching	4
4.6 Forward/Reverse Playback Level Adjustment	4
5. ELECTRICAL ADJUSTMENTS	5
5.1 Precautions for Adjustment and Measurement	5
5.2 Head Azimuth Adjustment	5
5.3 Tape Speed Adjustment	6
5.4 Playback Equalizer Measurement	6
5.5 Playback Output Adjustment	6
5.6 Peak Level Meter Measurement	6
5.7 MPX Filter Adjustment	6
5.8 Record-Playback Level Adjustment	7
5.9 Recording/Playback Frequency Response Adjustment	7
6. DISASSEMBLY	8
6.1 Removing the Top Cover	8
6.2 Removing the Front Panel	8
6.3 Removing the Front Chassis	8
6.4 Removing the Main P.W. Board	8
6.5 Removing the Mechanism	8
7. BLOCK/LEVEL DIAGRAMS	9
8. VOLTAGE CONVERSION	10
9. TECHNICAL SPECIFICATIONS	11
10. WIRING DIAGRAMS	12
11. EXPLODED VIEW AND PARTS LIST	14
12. ELECTRICAL PARTS LIST	21
13. SCHEMATIC DIAGRAM	26

MARANTZ MODEL SD340 STEREO CASSETTE DECK
AUTO REVERSE SYSTEM



INTRODUCTION

This service manual are prepared for use by Authorized Warranty Station and contains service information for Marantz Model SD340 Stereo Cassette Deck.

Servicing information and voltage data included in this manual are intended for use by the knowledgeable and experienced technician only. All instructions should be read carefully. No attempt should be made to proceed without a good understanding of the operation of the Cassette Deck.

The parts list furnishes information by which replacement parts may be ordered from the Marantz Company. A simple description is included for parts which can be usually obtained through local suppliers.

1. SHOCK, FIRE HAZARD SERVICE TEST:

CAUTION: After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before return to user/customer.

Ref. UL Standard No. 1270. Para. 66. 3. D (Mandatory Test after servicing Electrical Appliances, effective 7-1-88).

2. P.W. BOARDS

As can be seen from the circuit diagram, the chassis of your Cassette Deck consists of the following units. Each unit mounted on a printed circuit board is described within the square enclosed by a bold dotted line on the circuit diagram

1. **R/P Main Amp. . . . . .mounted on P.W. Board PJ01**
2. **Bias OSC . . . . . .mounted on P.W. Board PL01**
3. **Tape Selector/ Dolby NR Switch . . . .mounted on P.W. Board PU01**
4. **Direction Switch . . . .mounted on P.W. Board PU02**
5. **L.E.D Meter/Rec Volume . . . . . .mounted on P.W. Board PX01**
6. **Dolby NR/B-C . . . . . .mounted on P.W. Board P600**
7. **Power Switch . . . . . .mounted on P.W. Board P800**

3. TEST EQUIPMENT REQUIRED FOR SERVICING

For measuring or checking your Cassette Deck, the following instruments and materials are necessary.

- VTVM
- Audio Oscillator (AF OSC)
- Attenuator (600Ω)
- Oscilloscope
- Bandpass Filter (1 kHz)
- IEC A-Curve Filter
- Wow and Flutter Meter
- Torque Meter (Cassette Type)
- Digital Frequency Counter
- Distortion Meter
- Blank Tapes (Completely erased with bulk eraser)
  TDK AC-212 (Normal)
  TDK AC-512 (Special/CrO_2)
  TDK AC-711 (Metal)

Note: If any doubt is noted in a measured value, use new tape.

• Test Tapes	(New Tape)
MTT-111	Wow and Flutter, Tape Speed
MTT-212	Measurements of Output Level Signal-to-Noise Ratio
MTT-150	Adjustment of Play Back Level
MTT-216	Frequency Response (for Normal)
MTT-316	Frequency Response (for Special/CrO_2 and Metal)
MTT-121	Cross Talk
MTT-141	Channel Separation

4. DESCRIPTIONS

This auto reverse stereo cassette deck is capable of single direction recording and reverse playback. Four channel heads (fixed type) are mounted in the unit.

4.1 FORWARD/REVERSE Mechanism Switching

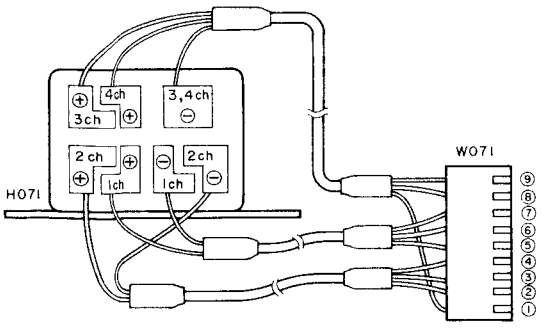
a. Auto Reverse switching at the end of the tape:
When the tape reaches the end, the direction switch (S072) is switched to the ON position by the action of the mechanism. Voltage of −12V is applied to the solenoid (L071) and it attracts its counterpart. This moves the mechanism into the run direction.

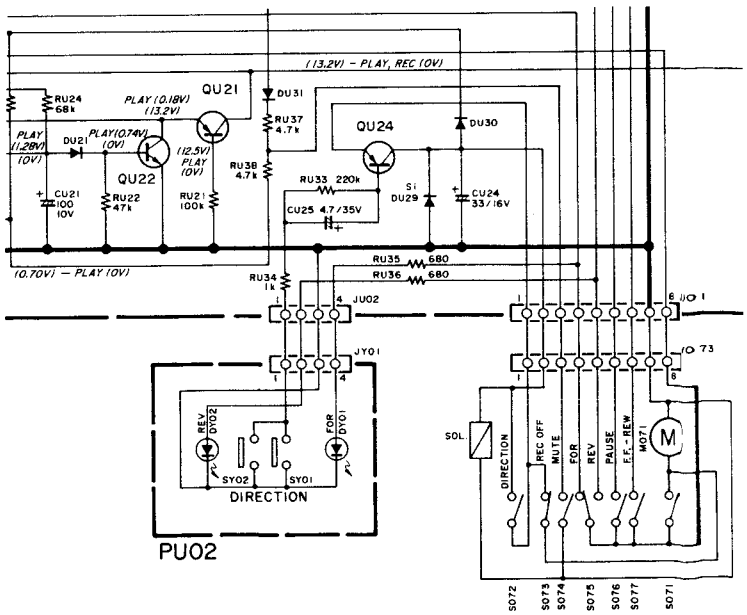
b. Forward/Reverse switching by the direction switch QU24 is switched to the ON position by the operation of direction switch SY01, SY02. Voltage of −12V is applied to the solenoid (L071) and it attracts its counterpart. This moves the mechanism into the run direction.

c. Depending upon constants of RU33 and CU25, QU24 will only come on when CU25 is charged, even if SY01 and SY02 are kept depressed. The ON time of QU24 can be changed, changing attraction time of the solenoid, by varying the constants of RU33 and CU25.

d. If the REC OFF is off in the record mode in the cases, voltage will not be applied to the solenoid coil (L071) and thus, switching operations will not be possible.

e. When the mechanism is the record mode, switching into the reverse direction does not occur at the end of the tape.

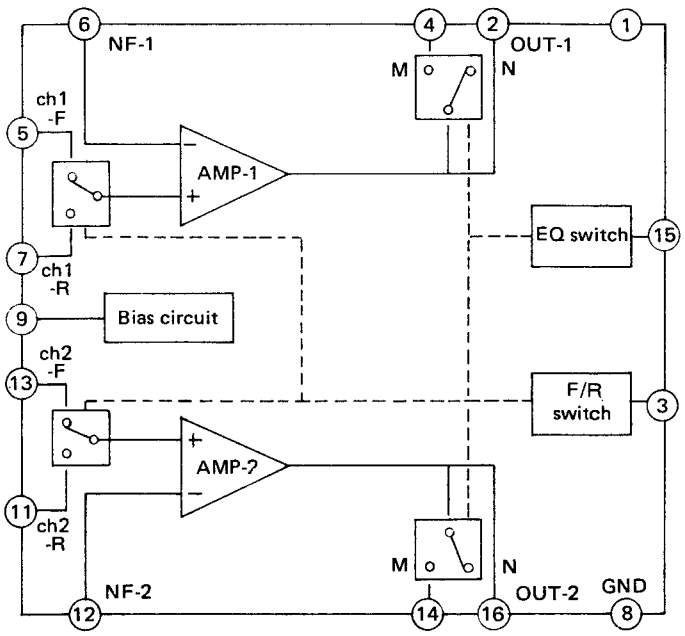




4.2 Playback Equalizer Amplifier

1. The playback equalizer uses, for auto reverse operations, the IC TA7405P dual pre-amp.
   This integrated circuit has a two channel amplifier and a forward/reverse electronic changeover switch. An electronic changeover switch is also internally mounted in the dual equalizer (Normal 120μs, CrO_2/Metal 70μs).
2. The forward/reverse electronic changeover switch allows switching between the two channels of the one circuit.
   The dual equalizer also has an internally mounted electronic changeover switch for switching between the two channels.

4.3 Dual Pre-Amp for Auto Reversw TA7405P (QJ25)



Block Diagram

- **Maximum Ratings** (T_a= 25°C)

Item	Symbol	Rating	Unit
Supply Voltage	V_{CC}	16	V
Power Dissipation	P_D	750	mW
Operated Temperature	T_{opg}	−30 ~ 75	°C
Storage Temperature	T_{stg}	−55 ~150	°C

- **Electrical Characteristics**

(Unless otherwise specified, V_{CC}= 9V, f= 1 kHz, R_L= 10 KΩ, R_g= 600Ω, T_a= 25°C, Normal EQ)

Item	Symbol	Test	Min.	Typ.	Max.	Unit
Quiescent Current	I_{CCQ} (1)	V_{IN}= 0, Normal EQ	–	5.0	–	mA
	I_{CCQ} (2)	V_{IN}= 0, Metal EQ	–	6.0	9.0	
Loop Voltage Gain Out	G_{VO}	C_f= 100μF, R_f= 0	–	98	–	dB
Max. Output Voltage	V_{OM}	THD= 0.5%	1.5	2.0	–	Vrms
Total Harmonic Distortion	THD	V_{OUT}= 0.5 Vrms	–	0.035	0.12	%
Input Noise Voltage Conversion	V_{IN}	R_g= 620Ω, B_W= 20 Hz ~ 20 kHz f= 1 kHz Gain Conversion	–	0.9	1.7	μVrms
Input Resistance	R_{IN}		–	500	–	KΩ
Ripple Removed	R.R	f_{ripple}= 100 Hz, V_{IN}= 1Vrms	–	55	–	dB
Cross Talk	C.T	V_{OUT}= 0 dBm	50	60	–	dB
Forward/Reverse Cross Talk	C.T(F/R)	V_{OUT}= 0 dBm	60	70	–	dB

4.4 Operation of Playback Equalizer

1. When the mechanism is to be operated in the forward direction, the movement of the mechanism causes the switch (S075) to apply +12V pin 3 of QJ25(TA7405P), which is connected to the forward side, and pins 5 and 13 are connected to the internally mounted amplifier. This allows operation in the forward direction of the L CH and R CH heads connected to these terminals.
2. Switching the mechanism into the reverse direction causes the switch to drop the voltage applied to pin 3 (connected to the reverse side) to 0V. The internally mounted amplifier is connected to pins 7 and 11. This allows operation in the reverse direction of the L CH and R CH heads connected to these terminals.
3. The threshold voltage of pin 3 only switches the input side of the internal amplifier, the output side for forward and reverse is not affected by switching of pin 2 (R CH) and pin 16 (L CH).
4. Threshold voltage of pin 3 (F/R switching voltage)

Reverse	0	~	0.5V
Forward	1.0	~	VCC

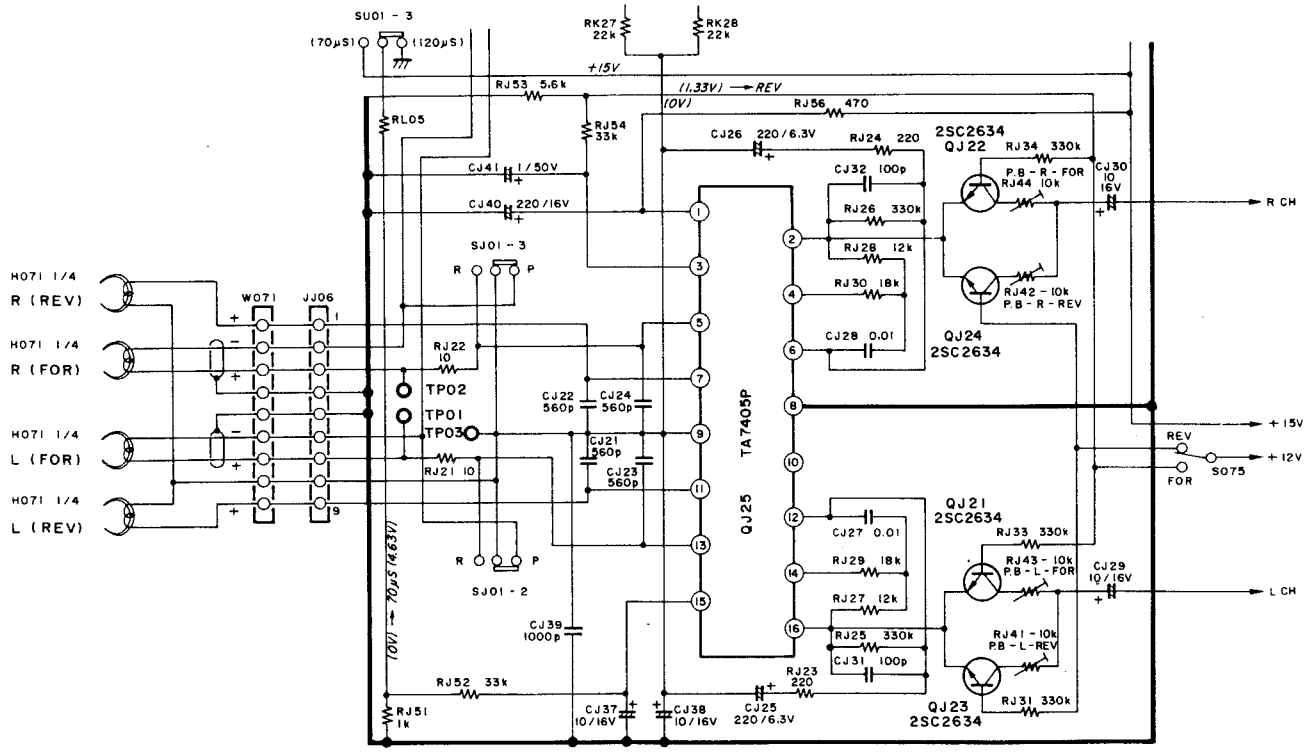
4.5 Equalizer Switching

1. Playback equalizer switching uses the normal circuit (SU01–3) of the tape selector switch.
2. The equalizer is set to 120us. SU01–3 is grounded when the normal button is pushed and the voltage to pin 15 drops to 0V. The set constant of 120us does not change.
3. When the CrO_2 or metal button of the tape selector is pushed, SU01–3 is connected to a +15V source and voltage is applied to pin 15. This operates the switch inside the IC, connection is made to pins 4, 2, and 14, 16, switching to 70us occurs. Thus, the set constant value for 70us is the compound value of the parallel connected constant for 120us using pins 4 and 14.

4.6 Forward/Reverse Playback Level Adjustment

This unit uses four channel heads, allowing level adjustment of differences in sensitivity when an amplifier is used.

1. Forward direction
   The switch (S075) is moved by the mechanism causing +12V to pass through RJ33 and RJ34 and to be applied to the base of QJ21 and QJ22. These transistors are turned on and the output from pins 2 and 16 passes through QJ21 and QJ22. The level gain can be adjusted by RJ43 and RJ44.
2. Reverse Direction
   In the same way as in the forward direction, the switch (S075) causes +12V to pass through RJ31 and RJ32 and then for the voltage to be applied to the base of QJ23 and QJ24. These transistors are turned on and the reverse output from pins 2 and 16 passes through QJ23 and QJ24. The level gain can be adjusted by RJ31 and RJ32.



QJ21~QJ24

	QJ21, QJ22			QJ23, QJ24		
	E	B	C	E	B	C
FOR	2.97V	3.53V	2.97V	2.97V	0V	2.97V
REV	2.97V	0V	2.97V	2.97V	3.49V	2.97V

QJ25

PIN NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	12.3V	2.97V	1.37V	2.96V	2.88V	2.88V	2.88V	0V	2.88V	/	2.88V	2.88V	2.88V	2.95V	0.17V	2.96V
			0V ← REVERSE												4.48V ← 70μS	

(Cr$_{O_2}$, METAL)

5. ELECTRICAL ADJUSTMENTS

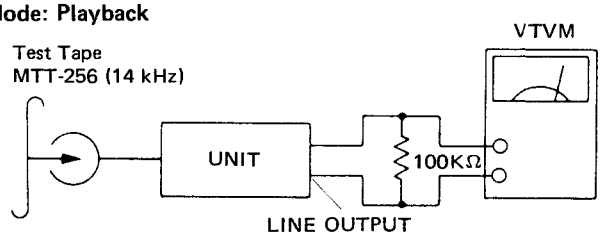
5.1 Precautions for Adjustment and Measurement

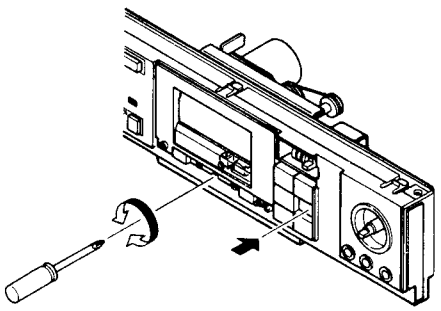
1) Before playing back the test tape, thoroughly demagnetize the heads, capstan and similar metal parts using an erase, as the test tape-recorded tone is easily erased.
2) Do not place the test tape on any measuring instrument.
3) Do not put the test tape near a place where the eraser is used.
4) Method of Demagnetization: Turn the eraser power switch on at a position far away from the heads. Bring the eraser close to the heads, capstan and other parts to be demagnetized, and move it up and down four or five times to demagnetize. Slowly separate the eraser far away from the parts, and turn the power switch off.
5) Do not use any magnetized adjusting tool. If necessary, demagnetize with a bulk eraser from time to time in the course of each adjustment.
6) Do not turn semi-fixed resistor or coil more than needed.
7) Measure speed and wow and flutter in the normal operating state.
8) Do not apply locking bond excessively.

5.2 Head Azimuth Adjustment

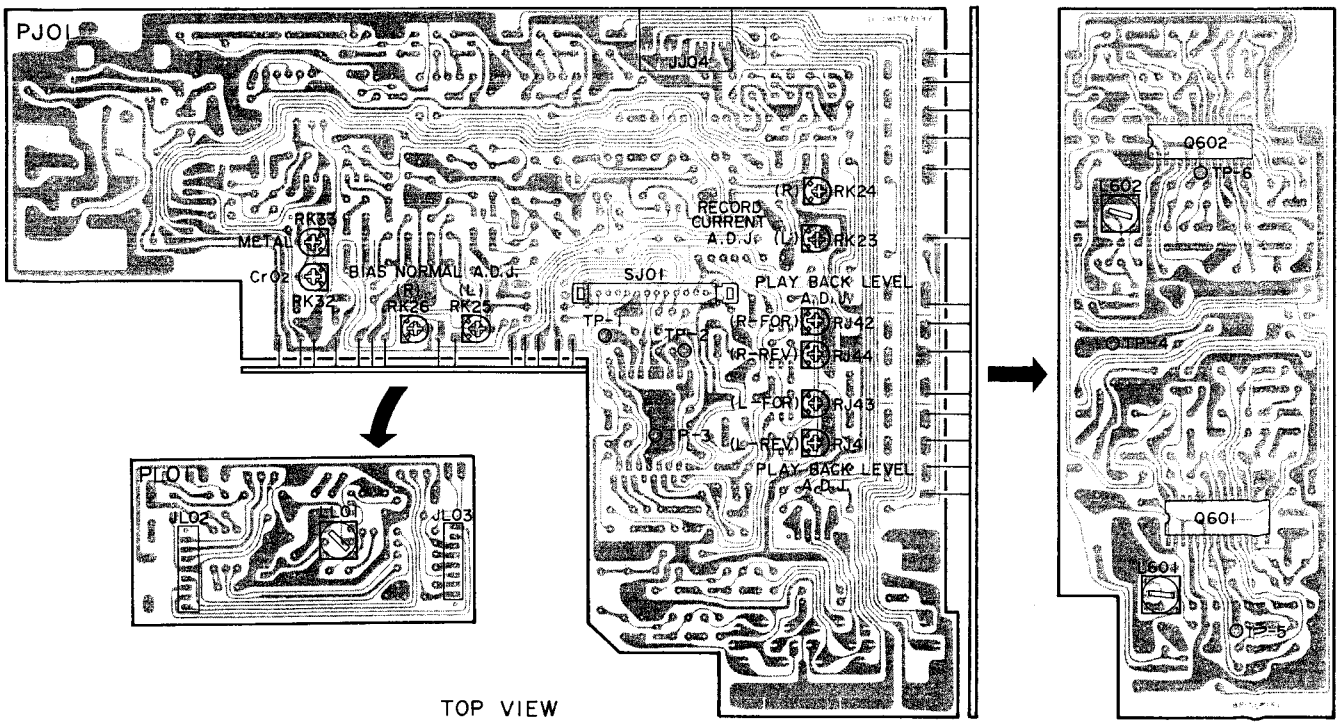
1. Set the TAPE SELECT Switch to the NORM position.
2. Play the 14 kHz signal of the test tape MTT256 back. Adjust the head azimuth adjusting screw for maximum VTVM reading.
3. If the peak output reads of the right and left channels are different, set the screws to obtain the mechanical center between the peaks.
4. After adjustment, repeat the playback and stop setting a few times to make certain of no head azimuth deciation.
5. Then, lock the screws with bond.
6. Make the same check for the reveres side.

Mode: Playback





Adjustment Point



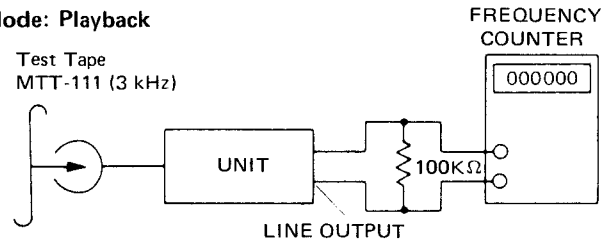
5.3 Tape Speed Adjustment

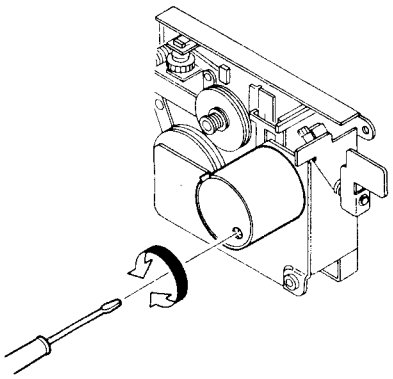
Play the 3 kHz signal of the test tape MTT-111 back. Adjust the tape speed adjusting resistor inside the motor (M071) for 3015 to 3030 Hz counter indication.

Notes:

1. If a strong shock of similar vibration is applied to the back after adjustment, make certain that the measured tape speed had not changed.
2. Be careful that the frequency counter may indicate a wrong value because of too low counter input level.
3. Before adjustment, allow for 30 seconds or more after depressing of the PLAY button.

Mode: Playback





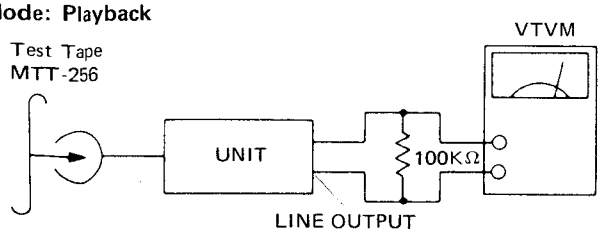
5.4 Playback Equalizer Measurement

1. Set the TAPE SELECTOR switch to the NORM position.
2. Playback the 315 Hz signal on test tape MTT-256 and adjust so that VTVM indication is 0 dB.
3. Playback the 12.5 Hz signal on test tape MTT-256 and make sure that indication is within 3 dB with respect to the 315 Hz signal.
4. Measurement the reverse side in the same manner.

Notes:

1. Proceed both for the right and left channels in the same manner.

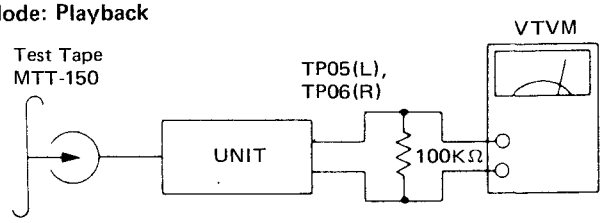
Mode: Playback



5.5 Playback Output Adjustment

1. Set the TAPE SELECTOR switch to the NORM position.
2. Playback the test tape MTT-150. Adjust RJ43 (L), RJ44 (R) so that the terminal voltage at the Dolby test points (TP05-L, TP06-R) becomes 580 mV.
3. Next push the direction switch and begin playback in reverse direction. Adjust RJ41 (L) and RJ42 (R) to the same as step (2).
4. After rewinding the tape, check that the voltage is still 580 mV when replaying it.
5. When checking at output terminal JJ04, please connect a 100 kohm load resistor, Output level is 390 mV.

Mode: Playback



5.6 Peak Level Meter Measurement

1. Place a recording tape into the tape mechanism. Set the unit to record pause.
2. Apply a 1 kHz 100 mV signal to the LINE INPUT jack.
3. Adjust the input of the RX16 until the voltage at the Dolby test points (TP05-L and TP06-R) and at TP04 (GND) is 580 mV.
4. Check to make sure that under these conditions, the reading of the LED peak meter lights the □□ mark (0dB).
5. Lower the input signal by −3 dB and confirm that the LED reading lights at −5 dB.

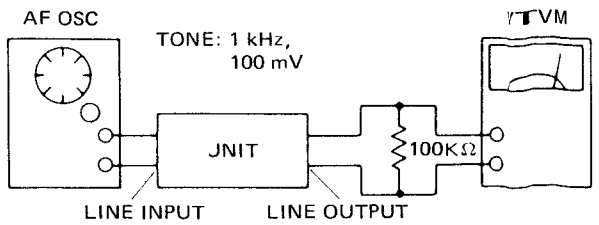
5.7 MPX Filter Adjustment

1. Set the TAPE SELECT switch to the NORM position.
2. Connect the 1 kHz, 100 mV input signal to the LINE INPUT cord.
3. Set up the deck to the recording state.
4. Adjust the REC LEVEL control for 0 dB meter reading
5. Adjust the line output level for 0 dB, and turn the DOLBY NR switch to the ON position.
6. Turn the input signal to the 19 kHz.
7. Adjust L601 (L) and L602 (R) for minimun output level.

Notes:

1. Proceed both for the right and left channels in the same manner.
2. If the filter characteristic is better than 30 dB, the MPX filter needs not to be adjusted.

Mode: Record



5.8 Record-Playback Level Adjustment

1. Set the TAPE SELECT switch to the NROM position.
2. Connect the 1 kHz, −60 dBV signal to the MIC jack. Set up the deck to the recording state.
3. Adjust the REC Level control for 0 dB LED PEAK LEVEL meter reading.
4. Play the recorder portion back and adjust RK23 (L) and RK24 (R) for 0 dB LED PEAK LEVEL meter reading.

Proceed both for the right and left channels in the same manner.

5.9 Recording/Playback Frequency Response Adjustment

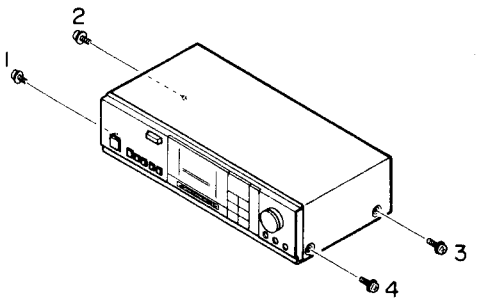
1. Set the TAPE SELECT switch to the NORM position.
2. Connect the 1 kHz 100 mV Input signal to the LINE Input jack. Set up the deck to the REC PAUSE mode.
3. Adjust input level so that the peak level meter reads 0 dB.
4. Attenuate the output of the AF osillator by 25 dB.
5. Press the PAUSE button and start recoding.
6. After recoding the 1 kHz signal for about 5 seconds. Set the Frequency to 12.5 kHz. Same manner for another 5 seconds.
7. Press the REW button and return to the beginning of the recoding. PALY PAUSE mode is entered.
8. Press the PAUSE button to start Playback and adjust the semi-fixed resistor RK25 (L), RK26 (R) so that the difference between 1 kHz and 12.5 kHz level is from 0 dB to −1 dB.
9. Next, Repeat steps 6 to 8 using a CrO_2 tape, making the same adjustments. (Adjustment point RK32 L/R)
10. Perform the same steps for Metal tape as well. (Adjustment Point RK33 L/R)

Note: Independent adjustment of (L) and (R) is not possible for CrO_2, and METAL tapes. Use the NORMAL POSITION for adjustment if there is a great difference in levels.

6. DISASSEMBLY

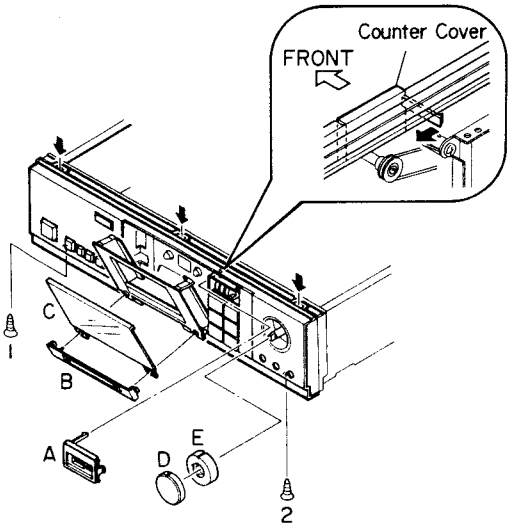
6.1 Removing the Top Cover

Remove the four screws 1 ~ 4 .



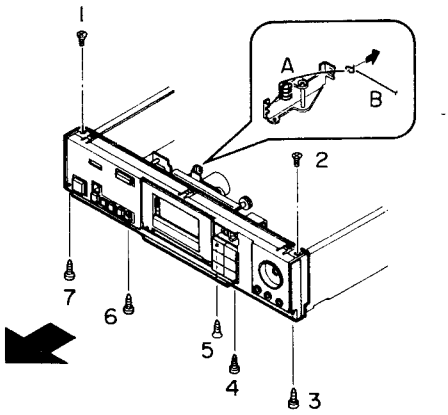
6.2 Removing the Front Panel

First remove the counter cover A by pushing the catch in the direction indicated by the arrow. Next, push the ejector button knob and remove the escutcheon B and the cassette window C . Remove the knobs D and E and the screws 1 and 2 . Take off the front panel by releasing the three catches indicated by the arrows.



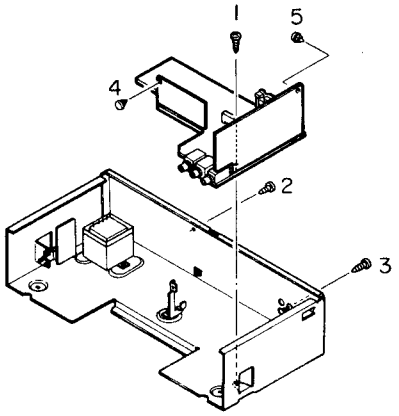
6.3 Removing the Front Chassis

First remove the record spring A and the rod B . Next remove the screws 1 ~ 7 . Remove the front chassis by pulling it in the direction indicated by the arrows.



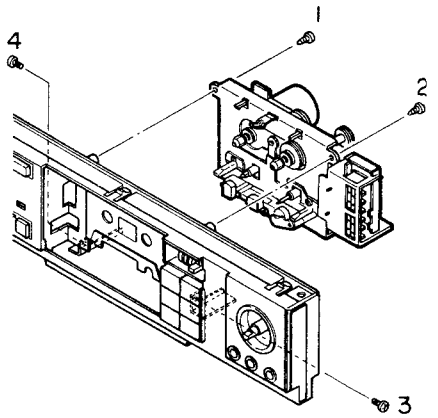
6.4 Removing the Main P.W. Board

Remove the board after taking out screws 1 and 2 and then 3 .



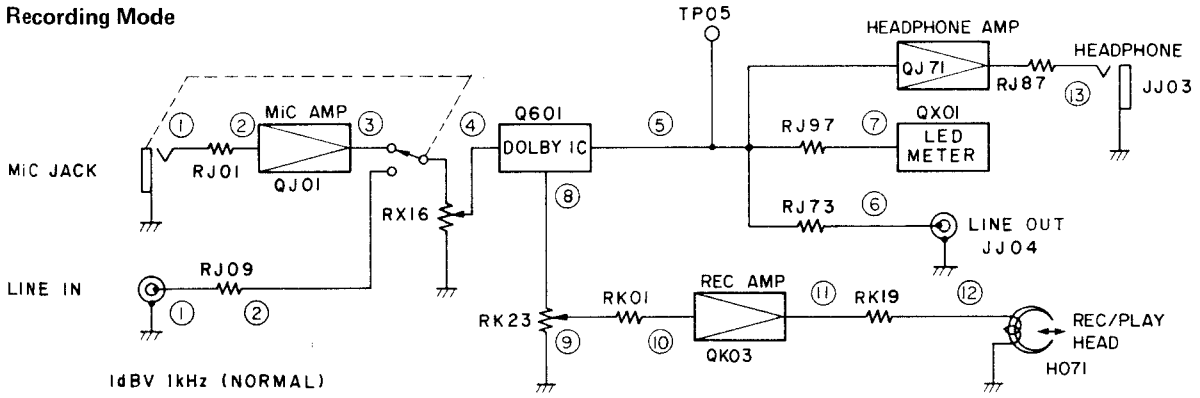
6.5 Removing the Mechanism

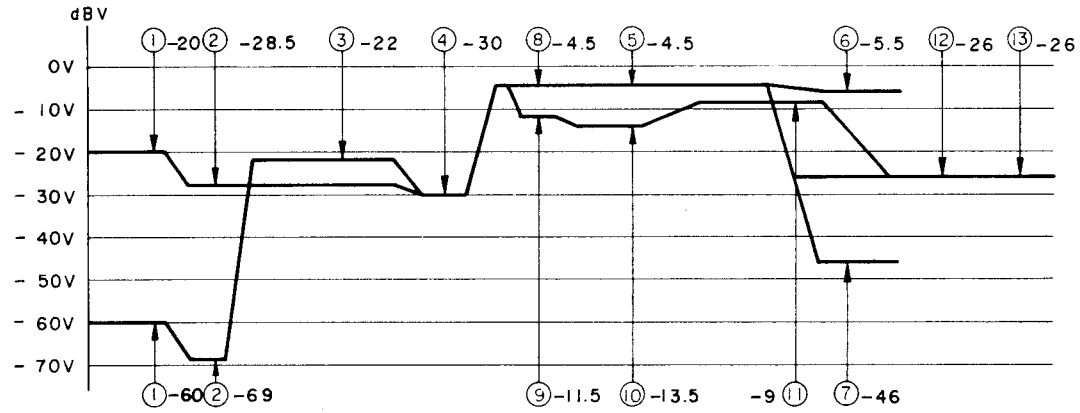
Remove the mechanism after taking out the screws 1 ~ 4 .



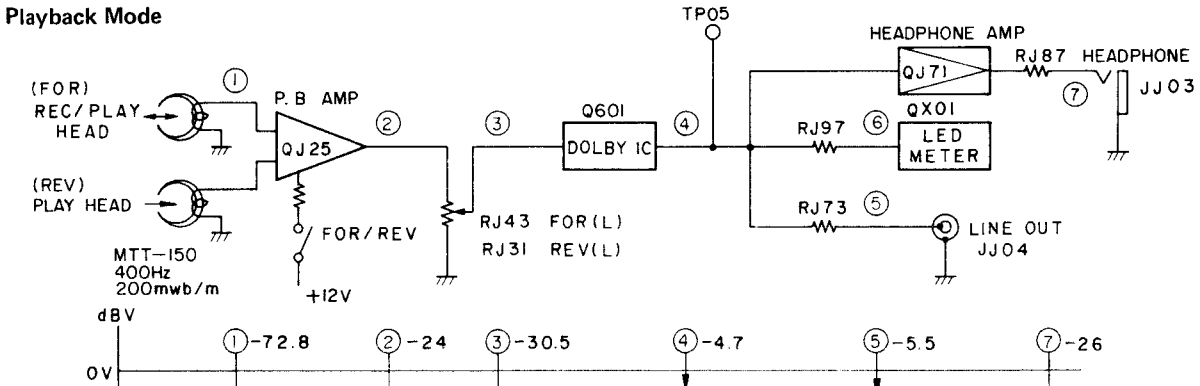
7. BLOCK/LEVEL DIAGRAMS

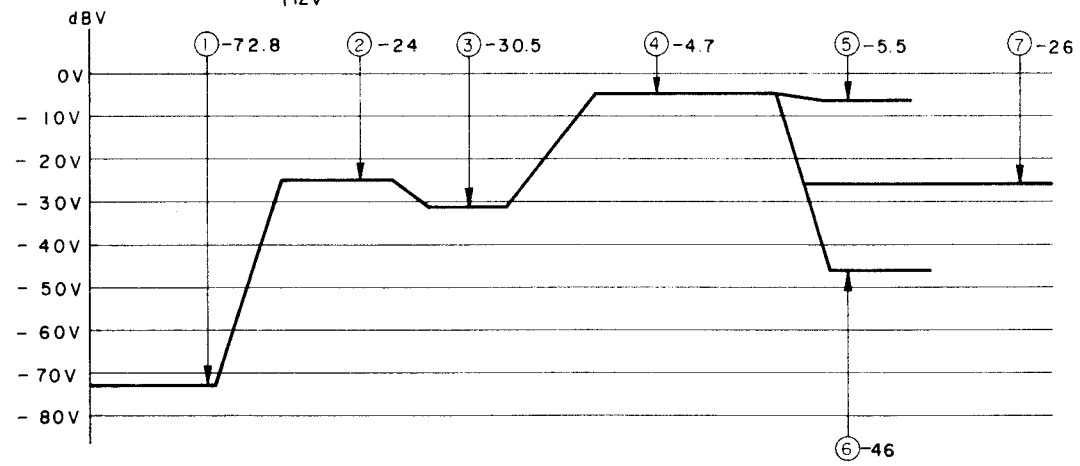
Recording Mode





Playback Mode





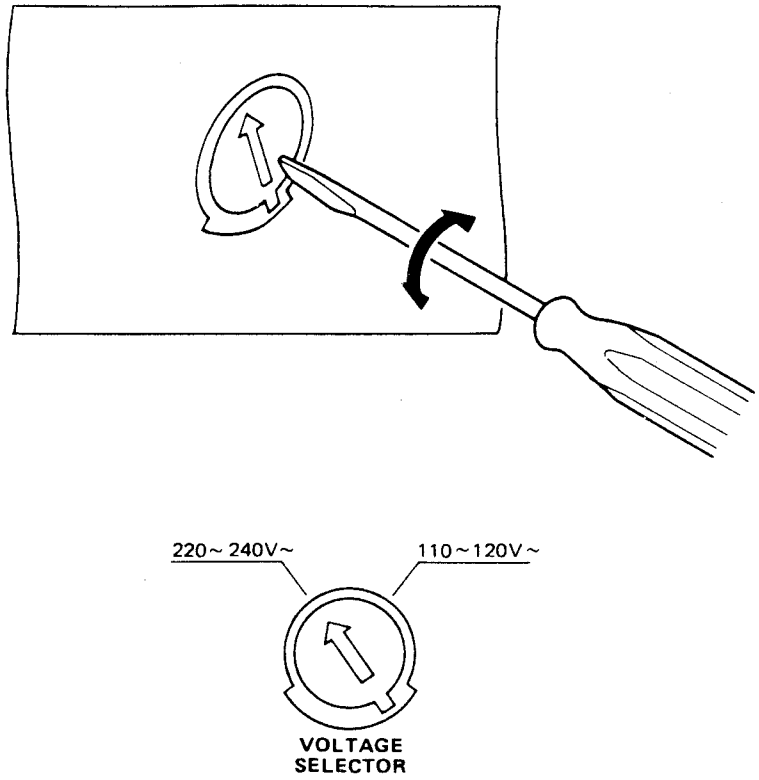
8. VOLTAGE CONVERSION

- **EUROPEAN MODEL ONLY**

To convert the unit to a different power source voltage, change the position as illustrated in the drawing below.

CAUTION
DISCONNECT POWER SUPPLY CORD FROM AC OUTLET BEFORE CONVERTING VOLTAGE.

Voltage Conversion Chart



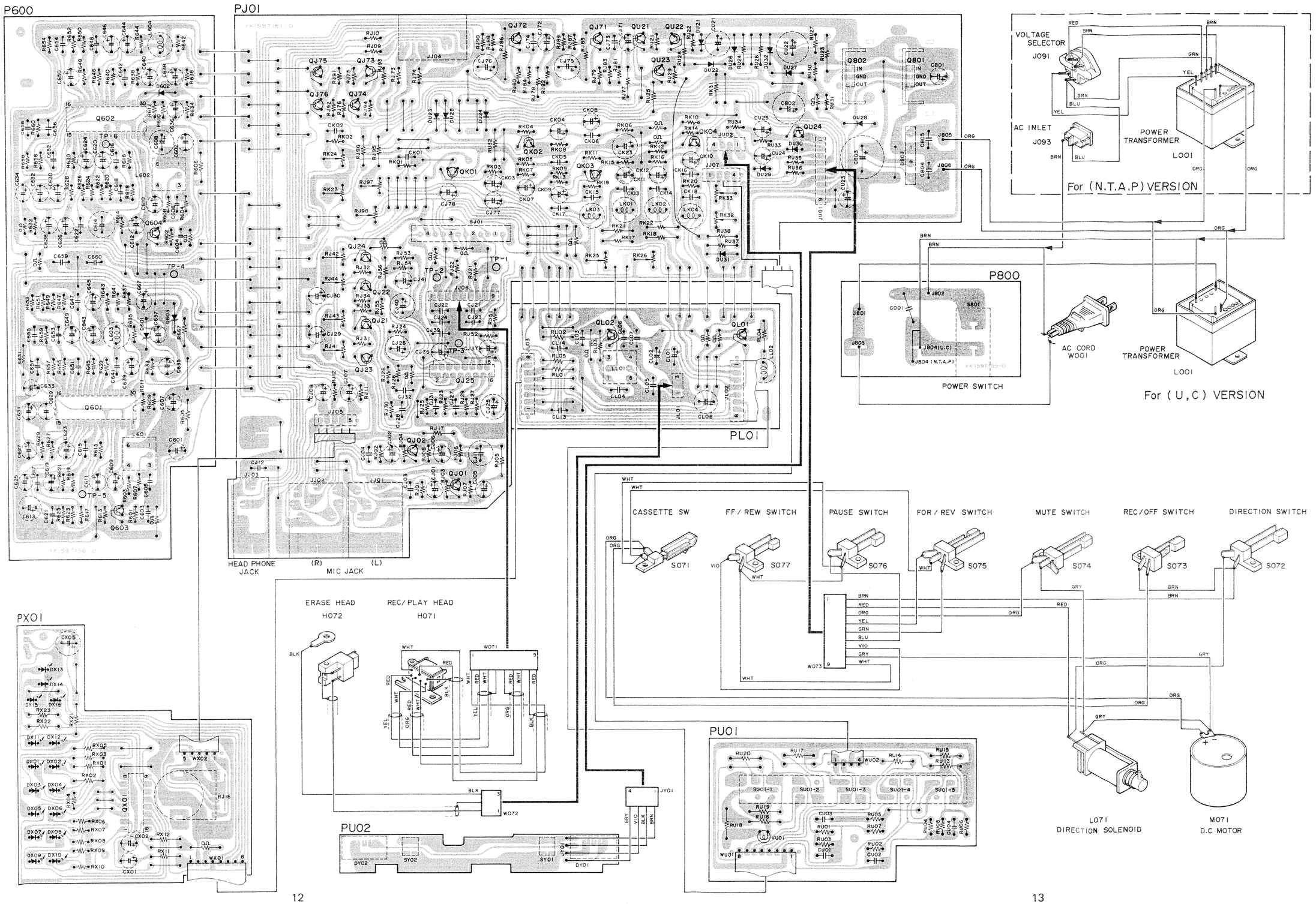
Note on safety: Symbol ⚠ Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol ⚠. Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

9. TECHNICAL SPECIFICATIONS

Style	Front load
Tape Drive System	Single Capstan Drive
Cartridge	Philips type compact cassette
Track System	Compatible Stereo 4-track 2-channel
Tape Speed	4.75 cm/sec.
Heads	2 Head System
Composition	Rec/Play: Super Hard Metal Alloy
	Erase: Dual gap Ferrite
Motor	1 Motor System
	Capstan: DC Servo Motor
Overall Frequency Response at −20 dB	
Normal Tape	25 Hz ~ 16 kHz
CrO_2 Tape	25 Hz ~ 17 kHz
Metal Tape	25 Hz ~ 18 kHz
Signal-to-Noise Ratio:	
Dolby B/C (ON)	65/70 dB
Dolby (OFF)	55 dB
Wow and Flutter	
DIN WTD	0.15%
Outputs	
Line Level/Impedance	400 mV/5 k ohms
Headphone Level/Impedance	50 mV/8 ohms
Input (Level at 0 VU)	
Line Sensitivity/Impedance	70 mV/50 k ohms
Mic Sensitivity/Impedance	0.3 mV/10 k ohms
Fast Rewind Time	100 sec. (C-60)
Fast Forward Time	100 sec. (C-60)
Power Requirement	110/120/220/240V AC, 50/60 Hz
Power Consumption	30 W
Dimensions	
Panel Width	416 mm
Panel Height	100 mm
Depth	200 mm
Weight	
Unit Alone	4.0 kg

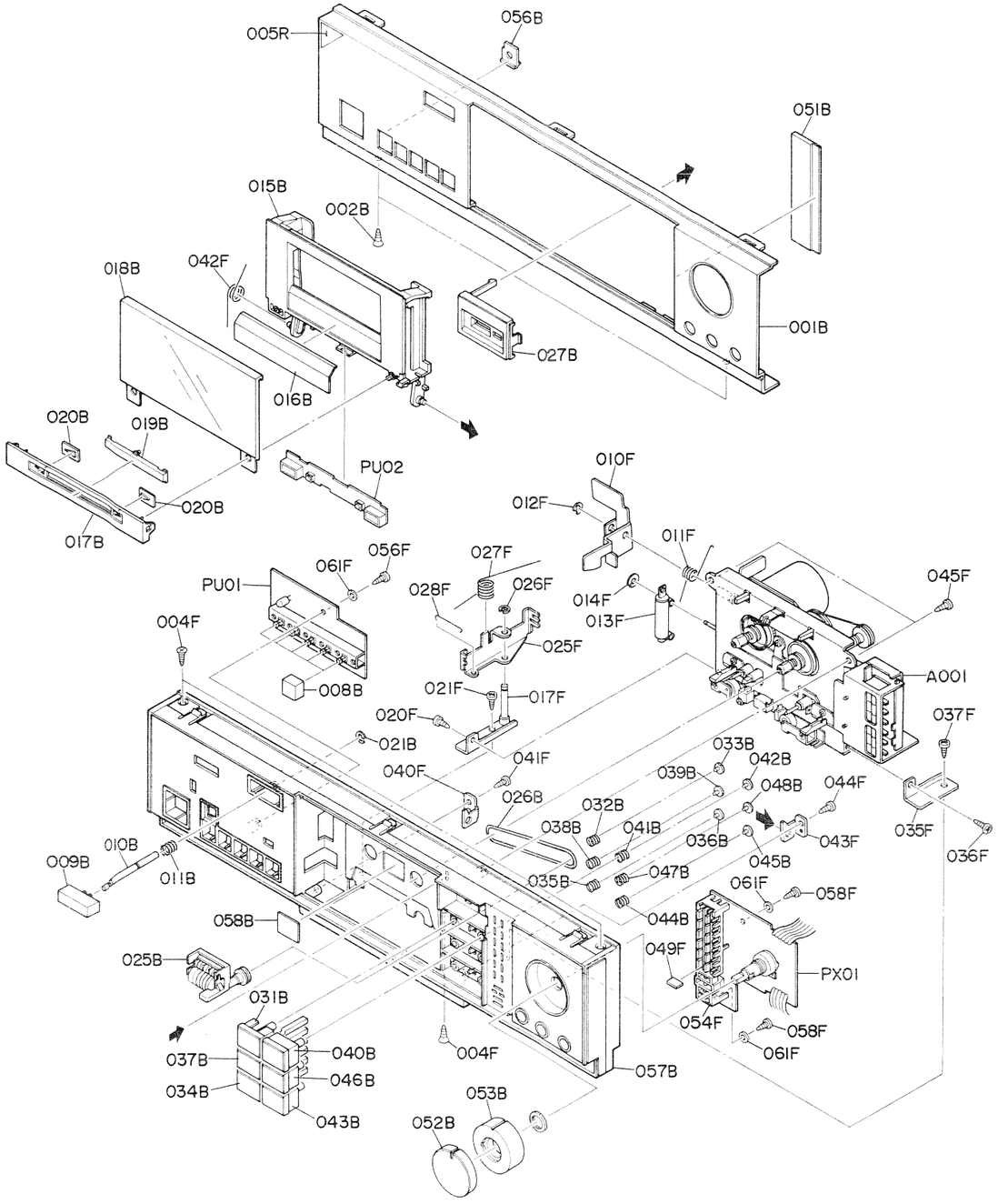
Specifications and appearance are subject to change for modification without notice.

10. WIRING DIAGRAMS



11. EXPLODED VIEW AND PARTS LIST

● [P01-99] Front Panel/Chassis and General Parts

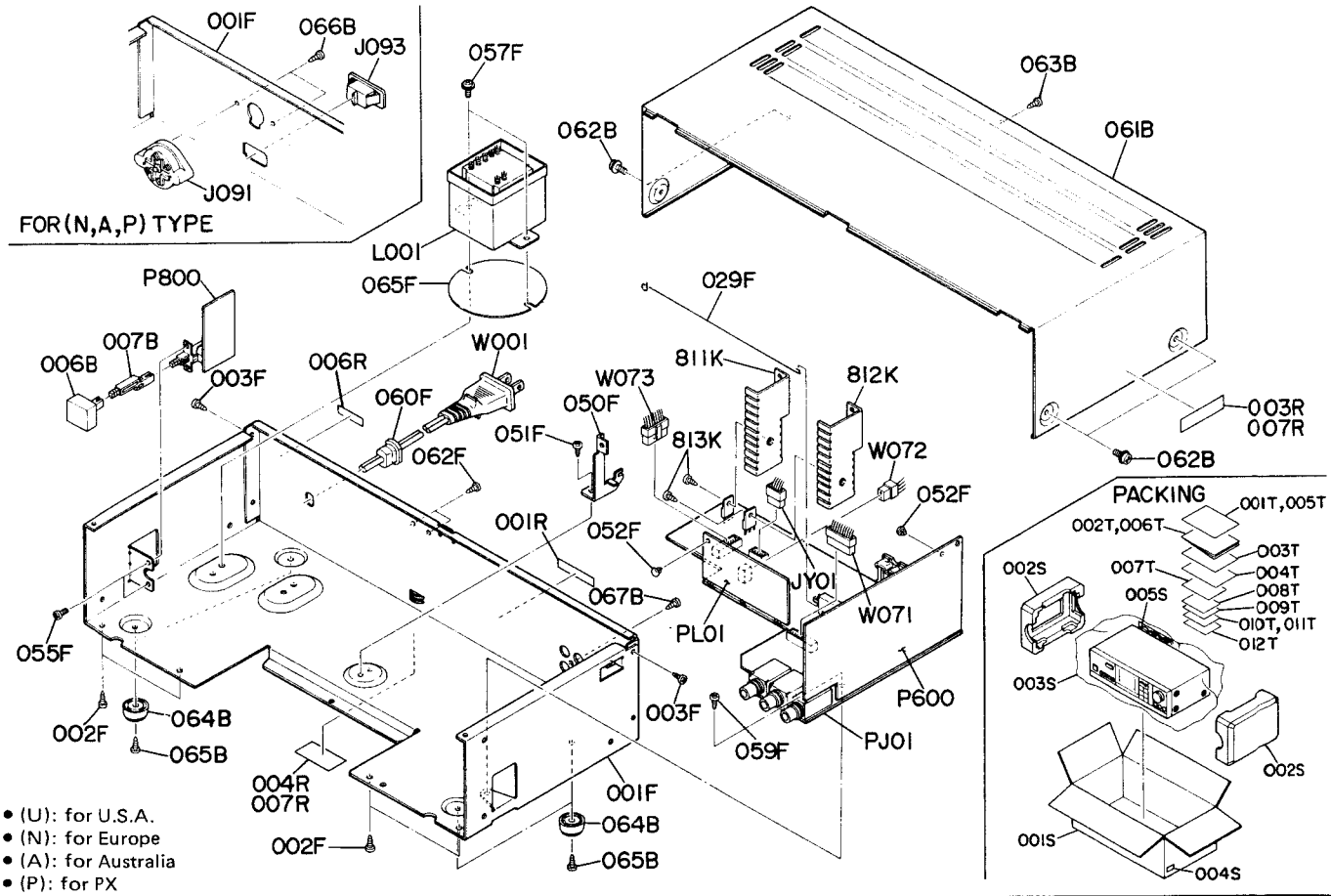


- (U): for U.S.A.
- (N): for Europe
- (A): for Australia
- (P): for PX

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
A	1	1	1	1	159T248400	Front Panel Assembly
001B	1	1	1	1	159T248010	Front Panel
051B	1	1	1	1	158T265010	Indicator, Level
056B	1	1	1	1	158T355010	Lens, Dolby NR
002B	2	2	2	2	51500310B0	F.H. Tapped Screw F3 x 10
008B	5	5	5	5	242H270020	Button, Select Switch
009B	1	1	1	1	158T270020	Button, Eject
010B	1	1	1	1	158T254010	Pin, Eject
011B	1	1	1	1	120T115060	Spring, Eject
012B	1	1	1	1	64000300R0	RG Ring, E Type
015B	1	1	1	1	158T064010	Case, Cassette
016B	1	1	1	1	158T063010	Escutcheon
017B	1	1	1	1	159T063010	Escutcheon
018B	1	1	1	1	158T158110	Window, Cassette
019B	1	1	1	1	159T270010	Button, Direction
020B	2	2	2	2	159T355010	Lens, Direction
025B	1	1	1	1	158T052010	Counter
026B	1	1	1	1	158T264010	Belt, Counter
027B	1	1	1	1	158T053010	Cover, Counter
031B	1	1	1	1	158T270030	Button, REW
032B	1	1	1	1	120T115060	Spring
033B	1	1	1	1	120T254030	Pin
034B	1	1	1	1	158T270130	Button, Pause
035B	1	1	1	1	120T115060	Spring
036B	1	1	1	1	120T254030	Pin
037B	1	1	1	1	158T270230	Button, Stop
038B	1	1	1	1	120T115060	Spring
039B	1	1	1	1	120T254030	Pin
040B	1	1	1	1	158T270040	Button, FF
041B	1	1	1	1	120T115060	Spring
042B	1	1	1	1	120T254030	Pin
043B	1	1	1	1	158T270140	Button
044B	1	1	1	1	120T115060	Spring, Rec
045B	1	1	1	1	120T254030	Pin
046B	1	1	1	1	158T270240	Button, Play
047B	1	1	1	1	120T115060	Spring
048B	1	1	1	1	120T254030	Pin
052B	1	1	1	1	158T154010	Knob, Volume (L)
053B	1	1	1	1	158T154020	Knob, Volume (R)
057B	1	1	1	1	158T105020	Chassis, Front
058B	1	1	1	1	4279274020	Reflector, Cassette
004F	3	3	3	3	51500308B0	F.H. Tapped Screw F3 x 8
010F	1	1	1	1	158T258010	Hook, Cassette
011F	1	1	1	1	158T115030	Spring
012F	1	1	1	1	64000300R0	RG Ring, E Type
013F	1	1	1	1	158T276010	Piston, Damper
014F	1	1	1	1	105K118020	Spacer
017F	1	1	1	1	158T104500	Retainer, K (L)
020F	1	1	1	1	51570304B0	P. Taptite Screw P3 x 4
021F	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
025F	1	1	1	1	158T354010	Lever, Rec

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
026F	1	1	1	1	64000300R0	RG, Ring, E Type
027F	1	1	1	1	158T115020	Spring, Rec
028F	1	1	1	1	158T357010	Rod, Rec
035F	1	1	1	1	158T104040	Retainer, Mecha (R)
036F	1	1	1	1	51570304B0	P. Taptite Screw P3 x 4
037F	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
040F	1	1	1	1	158T104010	Retainer, Door (L)
041F	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
042F	1	1	1	1	158T115010	Spring, Door Open
043F	1	1	1	1	158T104020	Retainer, Door (R)
044F	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
045F	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
049F	1	1	1	1	158T056010	Buffer
054F	1	1	1	1	158T271010	Holder, LED
056F	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
058F	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
061F	3	3	3	3	59030805P0	Washer
005R	1				113T861010	Label, 2 Year
A001	1	1	1	1	159T304510	Mechanism

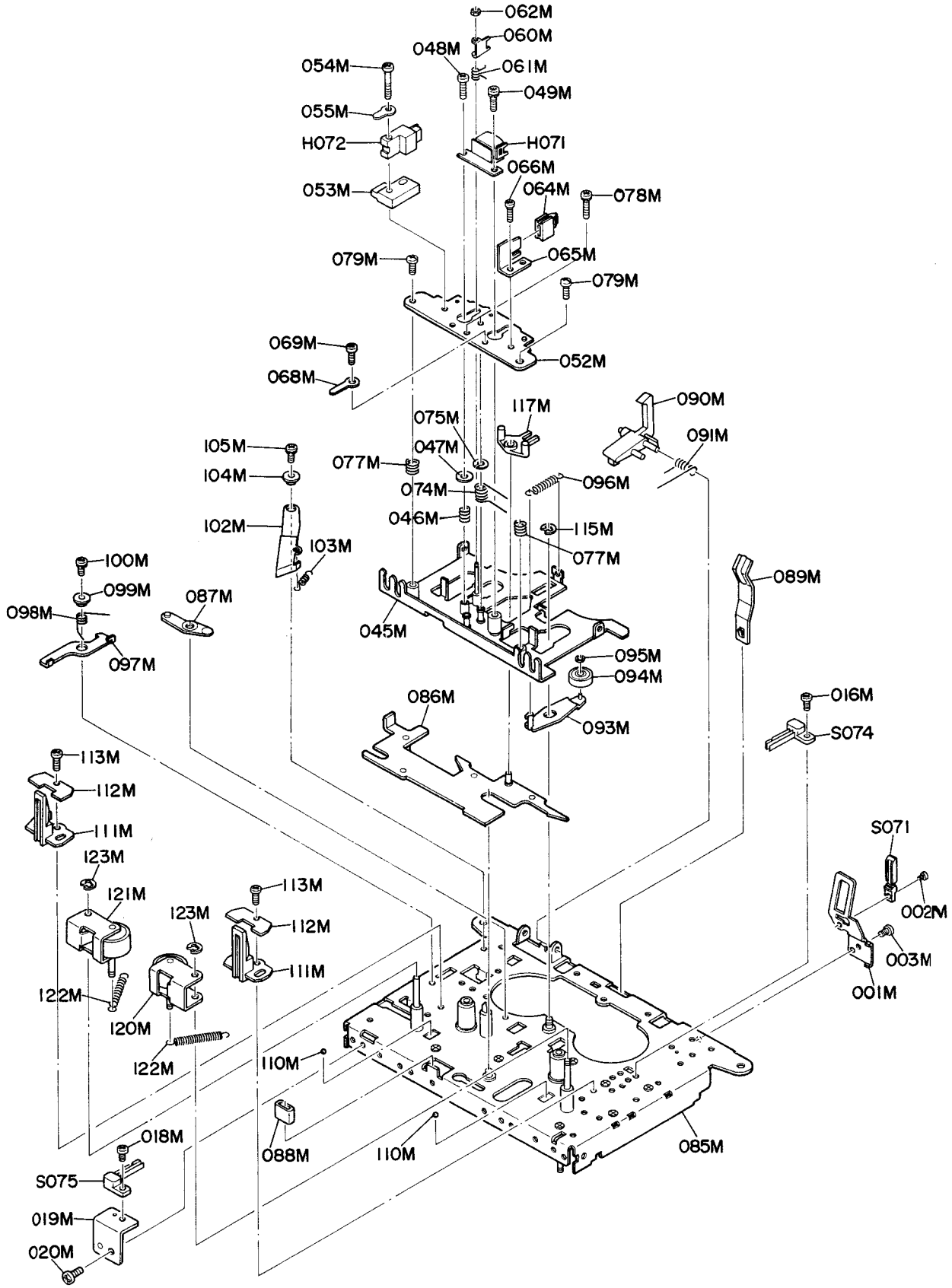
• [P02-99] Main Chassis and Packing Materials



REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
006B	1	1	1	1	158T270010	Button, Power
007B	1	1	1	1	150T125010	Joint, Power Button
061B	1				158T257010	Lid, Top Cover
061B		1	1	1	138H257010	Lid, Top Cover
062B	4	4	4	4	51706009U0	Spec. Set Screw
063B	1	1	1	1	51570306U0	P. Taptite Screw P3 x 6
064B	4	4	4	4	416H057010	Leg
065B	4	4	4	4	51280308B0	B.H. Tapped Screw B3 x 8
066B		2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
067B	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
001F	1				159T105110	Chassis, Main
001F		1	1	1	159T105010	Chassis, Main
002F	4	4	4	4	51280308B0	B.H. Tapped Screw B3 x 8
003F	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
029F	1	1	1	1	158T357020	Rod, Rec
050F	1	1	1	1	158T104070	Retainer, Bias OSC PWB
051F	1	1	1	1	51280305B0	B.H. Tapped Screw B3 x 5
052F	2	2	2	2	2276005050	Clamper
055F	2	2	2	2	51100304A9	B.H.M. Screw B3 x 4
057F	2	2	2	2	51706009U0	Spec. Set Screw
059F	1	1	1	1	51280308B0	B.H. Tapped Screw B3 x 8
060F	1				1455259030	Bushing, AC Cord
062F	2	2	2	2	51280308B0	B.H. Tapped Screw B3 x 8
065F	1	1	1	1	158T109010	Shield
811K	1	1	1	1	159T267010	Heatsink, (Q801)
812K	1	1	1	1	159T267010	Heatsink, (Q802)
813K	2	2	2	2	51300306B0	P.H. Tapped Screw P3 x 6
001R	1				2112265010	Indicator, Serial No.
001R		1	1	1	2112265110	Indicator, Serial No.
003R		1	1	1	2911861140	Label
004R		1	1	1	2911861110	Label
006R	1				2457861040	Label, CSA
007R	2				117H861010	Label

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
⚠J091		1	1	1	BY05060060	Voltage, Selector
⚠J093		1	1	1	YP04000580	Plug, AC Inlet
JY01	1	1	1	1	YB00320120	Connective Cord, 4P
⚠L001	1				TS15411020	Power Transformer
⚠L001		1	1	1	TS15411010	Power Transformer
⚠W001	1				YC01900070	A.C. Power Cord
W071	1	1	1	1	YB00300780	Connective Cord, 9P
W072	1	1	1	1	YB00300790	Connective Cord, 3P
W073	1	1	1	1	YB00400430	Connective Cord, 9P
						PACKING
001S	1				159T801020	Packing Case
001S		1	1	1	159T801010	Packing Case
002S	2	2	2	2	158T809010	Cushion
003S	1	1	1	1	9090808030	Polyethylene Sheet
004S	2				9526019010	Serial No. Card
004S		4			9526019060	Serial No. Card
004S			4		9526019030	Serial No. Card
004S				3	9526019050	Serial No. Card
005S	1				2918107390	Sheet
001T		1	1	1	158T851310	User Manual
002T		1	1	1	159T851320	User Manual, Spec.
003T		1			159T856010	Circuit Diagram
004T			1		9631000090	Warranty Card
005T	1				158T851210	User Manual
006T	1				159T851220	User Manual, Spec.
007T	1				103H854010	Warranty Card
008T	1				2225813010	Envelope
009T	1				9650000050	S. Station Card
010T	1				101K854210	Warranty Card
011T				1	416H854010	Warranty Card
012T				1	3435851210	User Manual

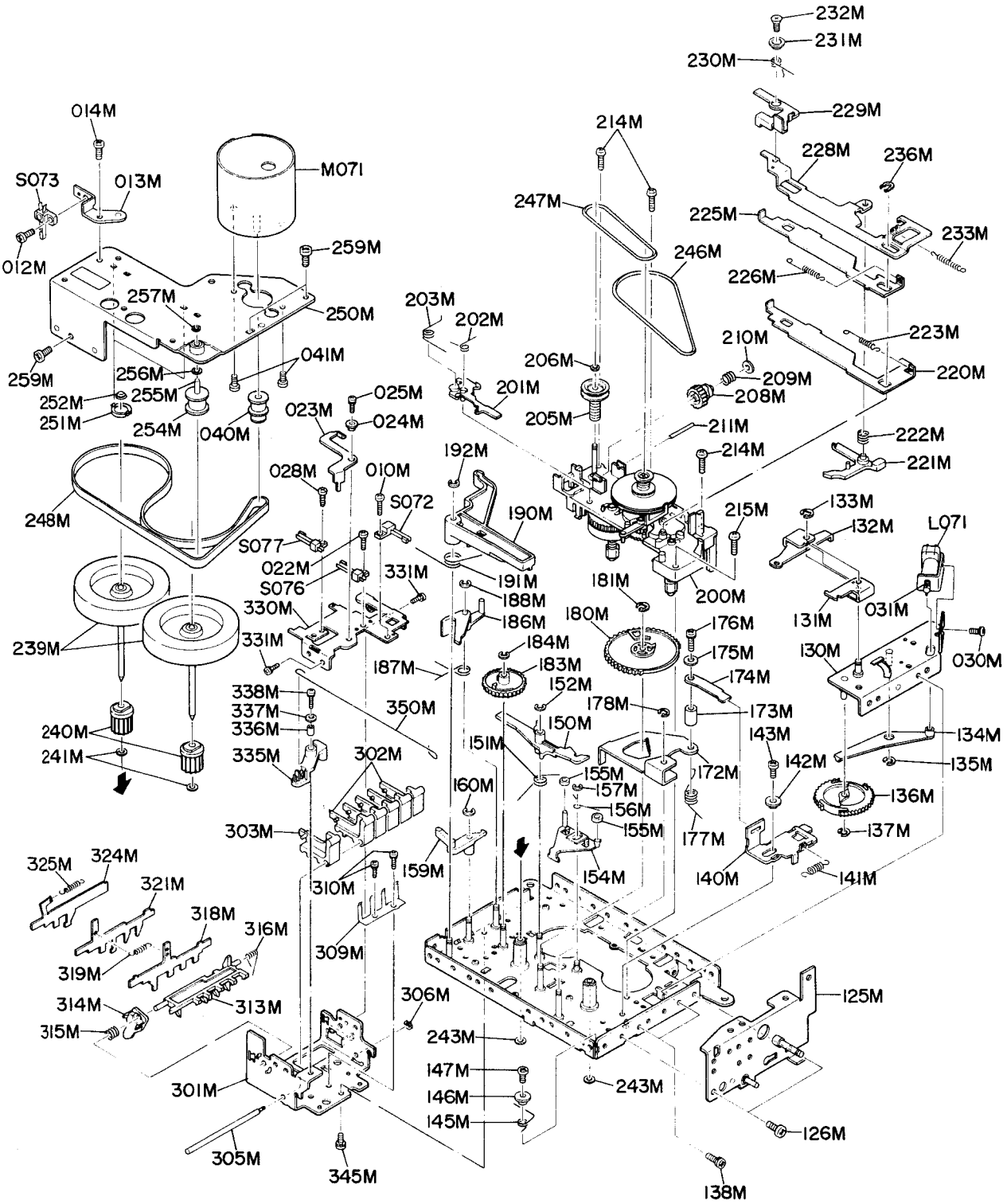
● [P03-99] Parts Assembled on the Top of Chassis



REF. DESIG.	Q'TY	PART NO.	DESCRIPTION
001M	1	319Y160030	Bracket, Cassette Switch
002M	1	51100204A0	B.H.M. Screw B2 x 4
003M	1	51572604B0	P. Taptite Screw P2.6 x 4
016M	1	51100204A0	B.H.M. Screw B2 x 4
018M	1	51100204A0	B.H.M. Screw B2 x 4
019M	1	159T160230	Bracket, N/R Sense SW.
020M	1	51570304B0	P. Taptite Screw P3 x 4
045M	1	159T105200	Chassis, Head Plate
046M	1	159T115200	Spring, Azimuth
047M	1	159T012200	Washer
048M	1	159T010200	Screw, Azimuth Adj
049M	1	51440205A0	L. Washer Screw L2 x 5
052M	1	159T104210	Retainer, Erase Head Base
053M	1	159T118200	Spacer, Erase Head
054M	1	51100214A0	B.H.M Screw B2 x 14
055M	1	62021030W0	Lug, Earth
060M	1	159T051210	Guide, Tape
061M	1	159T115290	Spring, Tape Guide
062M	1	159T011200	Nut
064M	1	159T051200	Guide, Tape
065M	1	159T104220	Retainer, Tape Guide
066M	1	51440204A0	L. Washer Screw L2 x 4
068M	1	159T005200	Clamper
069M	1	51440204A0	L. Washer Screw L2 x 4
074M	1	159T115220	Spring
075M	1	64000300R0	RG Ring, E Type
077M	2	159T115210	Spring, Erase Head Base
078M	2	51440205A0	L. Washer Screw L2 x 5
079M	2	159T010200	Screw
085M	1	159T105210	Chassis, Main
086M	1	159T110200	Shifter, Pinch
087M	1	159T354210	Lever, Release Brake
088M	1	159T277200	Packing, Stopper
089M	1	158T116210	Leaf Spring, Cassette Hold
090M	1	158T354230	Lever, Rec Safty
091M	1	158T115240	Spring
093M	1	159T354200	Lever, Take-up
094M	1	159T266200	Wheel, Tape-up Idler
095M	1	159T114200	Stopper
096M	1	159T115360	Spring
097M	1	159T354230	Lever, Anti Rec
098M	1	159T115230	Spring
099M	1	159T055210	Collar
100M	1	51442606A0	L. Washer Screw L2.6 x 6
102M	1	159T354270	Lever, Play Interlock
103M	1	159T115280	Spring
104M	1	159T055200	Collar
105M	1	51442605A0	L. Washer Screw L2.6 x 5
110M	2	61030010T0	Ball
111M	2	158T051200	Guide, Cassette Holder

REF. DESIG.	Q'TY	PART NO.	DESCRIPTION
112M	2	158T116200	Leaf Spring
113M	2	158T010210	Screw
115M	1	64002500R0	RG Ring, E Type
117M	1	159T110210	Shifter, Take-up
120M	1	159T255210	Pinch Roller, (R)
121M	1	159T255200	Pinch Roller, (L)
122M	2	159T115240	Spring
123M	2	64002500R0	RG Ring, E Type
H071	1	LH44811010	Rec/Play Head
H072	1	LH31000680	Erase Head
S071	1	SM01011010	Mini Switch, Cassette
S074	1	SM01020500	Mini Switch, Play Mute
S075	1	SM010Z0490	Mini Switch, NOR/REV Sense

• [P04-99] Parts Assembled on the Reverse of Chassis



REF. DESIG.	Q'TY	PART NO.	DESCRIPTION
010M	1	51062604A0	P.H.M. Screw P2.6 x 4
012M	1	51100204A0	B.H.M. Screw B2 x 4
013M	1	159T160250	Bracket, Anti Revers SW.
014M	1	51572605B0	P. Taptite Screw P2.6 x 5
022M	1	51062604A0	P.H.M. Screw P2.6 x 4
023M	1	158T354200	Lever, Pause SW.
024M	1	158T055200	Collar
025M	1	51442604A0	L. Washer Screw L2.6 x 4
028M	1	51062604A0	P.H.M. Screw P2.6 x 4
030M	1	51440204A0	L. Washer Screw L2 x 4
031M	1	159T115260	Spring, Solenoid Core
040M	1	159T262210	Pulley, Motor
041M	2	158T010200	Screw
125M	1	159T104200	Retainer, Side Bracket
126M	2	51570304B0	P. Taptite Screw P3 x 4
130M	1	159T160200	Bracket, N/R Gear
131M	1	159T354250	Lever Rec Sift
132M	1	159T354260	Lever, Rec SW.
133M	1	64002500R0	RG Ring, E Type
134M	1	159T354220	Lever, Trigger
135M	1	64002500R0	RG Ring, E Type
136M	1	159T058210	Gear, Direction
137M	1	64002500R0	RG Ring, E Type
138M	2	51442605A0	L. Washer Screw L2.6 x 5
140M	1	159T354240	Lever, Rec/Play Select
141M	1	159T115250	Spring
142M	1	159T055210	Collar
143M	1	51572606B0	P. Taptite Screw P2.6 x 6
145M	1	159T115340	Spring
146M	1	159T055240	Collar
147M	1	51572606B0	P. Taptite Screw P2.6 x 6
150M	1	158T354250	Lever, Cancel
151M	1	158T115260	Spring
152M	1	64002500R0	RG Ring, E Type
154M	1	158T354240	Lever, Brake
155M	2	158T351200	Lining
156M	1	158T115250	Spring
157M	1	64000200R0	RG Ring, E Type
159M	1	158T354260	Lever, Pause Trigger
160M	1	64002500R0	RG Ring, E Type
172M	1	159T354280	Lever, Head Plate Sift
173M	1	159T055220	Collar
174M	1	159T354300	Lever, Drive
175M	1	54022601A0	Flat Washer, P.
176M	1	51442614A0	L. Washer Screw L2.6 x 14
177M	1	159T115300	Spring
178M	1	64002500R0	RG Ring, E Type
180M	1	158T058240	Gear, Head Plate Drive
181M	1	64002500R0	RG Ring, E Type
183M	1	158T058210	Gear, FF/REW Drive
184M	1	64002500R0	RG Ring, E Type
186M	1	158T354270	Lever, FF/REW Trigger
187M	1	158T115270	Spring
188M	1	64002500R0	RG Ring, E Type
190M	1	158T354340	Lever, Play Trigger
191M	1	158T115360	Spring
192M	1	64002500R0	RG Ring, E Type
200M	1	159T160210	Bracket Assembly, Reel Base
201M	1	158T354280	Lever, TMS Cancel
202M	1	159T115330	Spring
203M	1	159T115320	Spring
205M	1	158T058220	Gear, Worm
206M	1	158T114200	Stopper
208M	1	158T058230	Gear, Cam
209M	1	158T115300	Spring

REF. DESIG.	Q'TY	PART NO.	DESCRIPTION
210M	1	59020802G9	Washer
211M	1	158T112200	Shaft, Cam Gear
214M	3	51592612B0	B. Taptite Screw B2.6 x 12
215M	1	51102610A0	B.H.M. Screw B2.6 x 10
220M	1	158T121200	Link, FF Lever
221M	1	158T354290	Lever, TMS
222M	1	159T115310	Spring
223M	1	158T115320	Spring
225M	1	158T121210	Link, REW Lever
226M	1	158T115320	Spring
228M	1	159T121210	Link, TMS Action Lever
229M	1	159T354290	Lever, Coutinuous REVS
230M	1	159T115350	Spring
231M	1	159T055230	Collar
232M	1	51040204A0	F.H.M. Screw F2 x 4
233M	1	158T115330	Spring
236M	1	64042500Q0	RG Ring, U Type
239M	2	159T059200	Capstan, Flywheel
240M	2	159T058200	Gear, Capstan
241M	2	59264702G9	Washer
243M	2	158T012210	Washer, Oil Fence
246M	1	159T264200	Belt, Reel Drive
247M	1	159T264210	Belt, TMS
248M	1	159T264220	Belt
250M	1	159T160220	Bracket, Motor
251M	2	159T164200	Adjuster
252M	2	159T115270	Spring
254M	1	159T262200	Pulley, Tention
255M	1	159T112200	Shaft
256M	1	59020405G9	Washer
257M	1	159T114200	Stopper
259M	3	51570304B0	P. Taptite Screw P3 x 4
301M	1	159T160240	Bracket, Button
302M	5	158T354350	Lever, Button
303M	1	158T354360	Lever, Button; Pause
305M	1	158T112210	Shaft
306M	1	64000200R0	RG Ring, E Type
309M	1	158T116220	Leaf Spring
310M	2	51442604A0	L. Washer Screw L2.6 x 4
313M	1	158T102200	Lock , Button
314M	1	158T054200	Cam, Pause Lock
315M	1	158T115370	Spring
316M	1	158T115380	Spring
318M	1	158T121240	Link, Inter Lock
319M	1	158T115390	Spring
321M	1	159T121200	Link, Inter Lock
324M	1	158T121260	Link, Inter Lock
325M	1	158T115190	Spring
330M	1	158T104200	Retainer, Button Frame
331M	2	51442604A0	L. Washer Screw L2.6 x 4
335M	1	158T354370	Lever, Rec Connect
336M	1	158T055240	Collar
337M	1	54022601A0	Flat Washer, P.
338M	1	51062612A0	P.H.M. Screw P2.6 x 12
345M	1	51442605A0	L. Washer Screw L2.6 x 5
350M	1	159T357200	Rod, Rec Connect
L071	1	ME10180020	Solenoid Coil, Direction
M071	1	MM11200170	D.C. Motor, 2200rpm 12V
S072	1	SM01011250	Mini Switch, Continuous REV
S073	1	SM01011270	Mini Switch, Anti REV
S076	1	SM01011250	Mini Switch, Pause
S077	1	SM01011250	Mini Switch, FF/REV

12. ELECTRICAL PARTS LIST

- (U): for U.S.A.
- (N): for Europe
- (A): for Australia
- (P): for PX

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
						PJ01-R/P MAIN AMP CIRCUIT BOARD
PJ01	1	1	1	1	YK159T1810	P.W. Board, R/P Main Amp
	1				ZZ159T1810	P.W. Board Assembly
		1	1	1	ZZ159T8810	P.W. Board Assembly
						PJ01-CAPACITORS
CJ01	1	1	1	1	EA10601630	Elect 10μF 16V
CJ02	1	1	1	1	EA10601630	Elect 10μF 16V
CJ03	1	1	1	1	DD15820370	Ceramic 82pF ±5%
CJ04	1	1	1	1	DD15820370	Ceramic 82pF ±5%
CJ05	1	1	1	1	EA47503530	Elect 4.7μF 35V
CJ06	1	1	1	1	EA47503530	Elect 4.7μF 35V
CJ07	1	1	1	1	EA47405030	Elect 0.47μF 50V
CJ08	1	1	1	1	EA47405030	Elect 0.47μF 50V
CJ11	1	1	1	1	EA22701630	Elect 220μF 16V
CJ12	1	1	1	1	DK18103310	Ceramic 0.01μF
CJ21	1	1	1	1	DD15561370	Ceramic 560pF ±5%
CJ22	1	1	1	1	DD15561370	Ceramic 560pF ±5%
CJ23	1	1	1	1	DD15561370	Ceramic 560pF ±5%
CJ24	1	1	1	1	DD15561370	Ceramic 560pF ±5%
CJ25	1	1	1	1	EA22700630	Elect 220μF 6.3V
CJ26	1	1	1	1	EA22700630	Elect 220μF 6.3V
CJ27	1	1	1	1	DF15103350	Film 0.01μF ±5%
CJ28	1	1	1	1	DF15103350	Film 0.01μF ±5%
CJ29	1	1	1	1	EA10601630	Elect 10μF 16V
CJ30	1	1	1	1	EA10601630	Elect 10μF 16V
CJ31	1	1	1	1	DD15101370	Ceramic 100pF ±5%
CJ32	1	1	1	1	DD15101370	Ceramic 100pF ±5%
CJ37	1	1	1	1	EA10601630	Elect 10μF 16V
CJ38	1	1	1	1	EA10601630	Elect 10μF 16V
CJ39	1	1	1	1	DK18102300	Ceramic 1000pF
CJ40	1	1	1	1	EA22701630	Elect 220μF 16V
CJ41	1	1	1	1	EA10505030	Elect 1μF 50V
CJ71	1	1	1	1	EA10601630	Elect 10μF 16V
CJ72	1	1	1	1	EA10601630	Elect 10μF 16V
CJ73	1	1	1	1	DD15101370	Ceramic 100pF ±5%
CJ74	1	1	1	1	DD15101370	Ceramic 100pF ±5%
CJ75	1	1	1	1	EA47601630	Elect 47μF 16V
CJ76	1	1	1	1	EA47601630	Elect 47μF 16V
CJ77	1	1	1	1	EA47405030	Elect 0.47μF 50V
CJ78	1	1	1	1	EA47405030	Elect 0.47μF 50V
CK01	1	1	1	1	DF15272310	Film 2700pF ±5%
CK02	1	1	1	1	DF15272310	Film 2700pF ±5%
CK03	1	1	1	1	EA47503530	Elect 4.7μF 35V
CK04	1	1	1	1	EA47503530	Elect 4.7μF 35V
CK05	1	1	1	1	DF15682310	Film 6800pF ±5%
CK06	1	1	1	1	DF15682310	Film 6800pF ±5%
CK07	1	1	1	1	EA22405030	Elect 0.22μF 50V
CK08	1	1	1	1	EA22405030	Elect 0.22μF 50V
CK09	1	1	1	1	EA22505030	Elect 2.2μF 50V
CK10	1	1	1	1	EA22505030	Elect 2.2μF 50V
CK11	1	1	1	1	EA10601630	Elect 10μF 16V
CK12	1	1	1	1	EA10601630	Elect 10μF 16V
CK13	1	1	1	1	DF15183350	Film 0.018μF ±5%
CK14	1	1	1	1	DF15183350	Film 0.018μF ±5%
CK15	1	1	1	1	DF15222310	Film 2200pF ±5%
CK16	1	1	1	1	DF15222310	Film 2200pF ±5%
CK17	1	1	1	1	DD15101370	Ceramic 100pF ±5%
CK18	1	1	1	1	DD15101370	Ceramic 100pF ±5%
CK23	1	1	1	1	EA47601630	Elect 47μF 16V

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
CU21	1	1	1	1	EA10701030	Elect 100μF 10V
CU22	1	1	1	1	EA10701030	Elect 100μF 10V
CU23	1	1	1	1	EA47601630	Elect 47μF 16V
CU24	1	1	1	1	EA33601630	Elect 33μF 16V
CU25	1	1	1	1	EA47503530	Elect 4.7μF 35V
C801	1	1	1	1	EA22701630	Elect 220μF 16V
C802	1	1	1	1	EA10801630	Elect 1000μF 16V
C803	1	1	1	1	EA10803530	Elect 1000μF 35V
C804	1	1	1	1	DK18103310	Ceramic 0.01μF
C805	1	1	1	1	DK18103310	Ceramic 0.01μF
						PJ01-RESISTORS (All Resistors are ±5% & ¼W)
RJ01	1	1	1	1	GD05472140	4.7KΩ
RJ02	1	1	1	1	GD05472140	4.7KΩ
RJ03	1	1	1	1	GD05125140	1.2MΩ
RJ04	1	1	1	1	GD05125140	1.2MΩ
RJ05	1	1	1	1	GD05472140	4.7KΩ
RJ06	1	1	1	1	GD05472140	4.7KΩ
RJ07	1	1	1	1	GD05473140	47KΩ
RJ08	1	1	1	1	GD05473140	47KΩ
RJ09	1	1	1	1	GD05223140	22KΩ
RJ10	1	1	1	1	GD05223140	22KΩ
RJ11	1	1	1	1	GD05104140	100KΩ
RJ12	1	1	1	1	GD05104140	100KΩ
RJ17	1	1	1	1	GG05271140	270Ω
RJ21	1	1	1	1	GD05100140	10Ω
RJ22	1	1	1	1	GD05100140	10Ω
RJ23	1	1	1	1	GD05221140	220Ω
RJ24	1	1	1	1	GD05221140	220Ω
RJ25	1	1	1	1	GD05334140	330KΩ
RJ26	1	1	1	1	GD05334140	330KΩ
RJ27	1	1	1	1	GD05153140	15KΩ
RJ28	1	1	1	1	GD05153140	15KΩ
RJ29	1	1	1	1	GD05183140	18KΩ
RJ30	1	1	1	1	GD05183140	18KΩ
RJ31	1	1	1	1	GD05334140	330KΩ
RJ32	1	1	1	1	GD05334140	330KΩ
RJ33	1	1	1	1	GD05334140	330KΩ
RJ34	1	1	1	1	GD05334140	330KΩ
RJ41	1	1	1	1	RA01030630	10KΩ, Trimming
RJ42	1	1	1	1	RA01030630	10KΩ, Trimming
RJ43	1	1	1	1	RA01030630	10KΩ, Trimming
RJ44	1	1	1	1	RA01030630	10KΩ, Trimming
RJ51	1	1	1	1	GD05102140	1KΩ
RJ52	1	1	1	1	GD05333140	33KΩ
RJ53	1	1	1	1	GD05562140	5.6KΩ
RJ54	1	1	1	1	GD05333140	33KΩ
RJ56	1	1	1	1	GD05471140	470Ω
RJ73	1	1	1	1	GD05222140	2.2KΩ
RJ74	1	1	1	1	GD05222140	2.2KΩ
RJ75	1	1	1	1	GD05221140	220Ω
RJ76	1	1	1	1	GD05221140	220Ω
RJ77	1	1	1	1	GD05102140	1KΩ
RJ78	1	1	1	1	GD05102140	1KΩ
RJ79	1	1	1	1	GD05333140	33KΩ
RJ80	1	1	1	1	GD05333140	33KΩ
RJ81	1	1	1	1	GD05563140	56KΩ
RJ82	1	1	1	1	GD05563140	56KΩ
RJ83	1	1	1	1	GD05103140	10KΩ
RJ84	1	1	1	1	GD05103140	10KΩ
RJ85	1	1	1	1	GA05221010	200Ω 1W
RJ86	1	1	1	1	GA05221010	220Ω 1W

- (U): for U.S.A.
- (N): for Europe
- (A): for Australia
- (P): for PX

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
RJ87	1				GD05820140	82Ω
RJ87		1	1	1	GD05560140	56Ω
RJ88	1				GD05820140	82Ω
RJ88		1	1	1	GD05560140	56Ω
RJ89	1	1	1	1	GD05121140	120Ω
RJ90	1	1	1	1	GD05121140	120Ω
RJ91	1	1	1	1	GD05222140	2.2KΩ
RJ92	1	1	1	1	GD05222140	2.2KΩ
RJ93	1	1	1	1	GD05103140	10KΩ
RJ94	1	1	1	1	GD05103140	10KΩ
RJ97	1	1	1	1	GD05103140	10KΩ
RJ98	1	1	1	1	GD05103140	10KΩ
RK01	1	1	1	1	GD05222140	2.2KΩ
RK02	1	1	1	1	GD05222140	2.2KΩ
RK03	1	1	1	1	GD05103140	10KΩ
RK04	1	1	1	1	GD05103140	10KΩ
RK05	1	1	1	1	GD05822140	8.2KΩ
RK06	1	1	1	1	GD05822140	8.2KΩ
RK07	1	1	1	1	GD05103140	10KΩ
RK08	1	1	1	1	GD05103140	10KΩ
RK09	1	1	1	1	GD05474140	470KΩ
RK10	1	1	1	1	GD05474140	470KΩ
RK11	1	1	1	1	GD05154140	150KΩ
RK12	1	1	1	1	GD05154140	150KΩ
RK13	1	1	1	1	GD05472140	4.7KΩ
RK14	1	1	1	1	GD05472140	4.7KΩ
RK15	1	1	1	1	GD05152140	1.5KΩ
RK16	1	1	1	1	GD05152140	1.5KΩ
RK17	1	1	1	1	GD05104140	100KΩ
RK18	1	1	1	1	GD05104140	100KΩ
RK19	1	1	1	1	GD05822140	8.2KΩ
RK20	1	1	1	1	GD05822140	8.2KΩ
RK21	1	1	1	1	GD05390140	39Ω
RK22	1	1	1	1	GD05390140	39Ω
RK23	1	1	1	1	RA02230600	22KΩ, Trimming
RK24	1	1	1	1	RA02230600	22KΩ, Trimming
RK25	1	1	1	1	RA04730600	47KΩ, Trimming
RK26	1	1	1	1	RA04730600	47KΩ, Trimming
RK31	1	1	1	1	GD05152140	1.5KΩ
RK32	1	1	1	1	RA02220600	2.2KΩ, Trimming
RK33	1	1	1	1	RA02230600	22KΩ, Trimming
RU21	1	1	1	1	GD05104140	100KΩ
RU22	1	1	1	1	GD05473140	47KΩ
RU23	1	1	1	1	GA05102010	1KΩ 1W
RU24	1	1	1	1	GD05683140	68KΩ
RU25	1	1	1	1	GD05103140	10KΩ
RU26	1	1	1	1	GD05154140	150KΩ
RU27	1	1	1	1	GD05273140	27KΩ
RU28	1	1	1	1	GD05101140	100Ω
RU29	1	1	1	1	GD05561140	560Ω
RU30	1	1	1	1	GD05562140	5.6KΩ
RU31	1	1	1	1	GD05152140	1.5KΩ
RU32	1	1	1	1	GD05102140	1KΩ
RU33	1	1	1	1	GD05224140	220KΩ
RU34	1	1	1	1	GD05102140	1KΩ
RU35	1	1	1	1	GD05681140	680Ω
RU36	1	1	1	1	GD05681140	680Ω
RU37	1	1	1	1	GD05472140	4.7KΩ
RU38	1	1	1	1	GD05472140	4.7KΩ

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
						PJ01-SEMICONDUCTORS
DU21	1	1	1	1	HD20001210	Diode 1S2473
DU22	1	1	1	1	HD10004020	Diode OA91A
DU23	1	1	1	1	HD20001000	Diode MA150
DU24	1	1	1	1	HD20001000	Diode MA150
DU25	1	1	1	1	HD20001000	Diode MA150
DU26	1	1	1	1	HD10004020	Diode OA91A
DU27	1	1	1	1	HD20001000	Diode MA150
DU28	1	1	1	1	HD20001000	Diode MA150
DU29	1	1	1	1	HD20001210	Diode 1S2473
DU30	1	1	1	1	HD20001210	Diode 1S2473
DU31	1	1	1	1	HD20001000	Diode MA150
DU32	1	1	1	1	HD10004020	Diode OA91A
⚠D801	1	1	1	1	HD20027080	Diode RB152
QJ01	1	1	1	1	HT318451U0	Transistor 2SC1845(U)
QJ02	1	1	1	1	HT318451U0	Transistor 2SC1845(U)
QJ21	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ22	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ23	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ24	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ25	1	1	1	1	HC10109050	IC TA7405P
QJ71	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ72	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ73	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ74	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ75	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QJ76	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QK01	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QK02	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QK03	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QK04	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QU21	1	1	1	1	HT107332A0	Transistor 2SA733(P,Q)
QU22	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QU23	1	1	1	1	HT326342B0	Transistor 2SC2634(S,T)
QU24	1	1	1	1	HT106832B0	Transistor 2SA683(Q,R)
⚠Q801	1	1	1	1	HC38512090	IC NJM7812A
⚠Q802	1	1	1	1	HC38515090	IC NJM7815A
						PJ01-MISCELLANEOUS
JJ01	1	1	1	1	YJ01001980	Jack, Mic (L)
JJ02	1	1	1	1	YJ01001980	Jack, Mic (R)
JJ03	1	1	1	1	YJ01001790	Jack, Headphone
JJ04	1	1	1	1	YT02040470	Terminal, RCA Jack
JJ05	1	1	1	1	YJ06002390	Jack, 5P
JJ06	1	1	1	1	YP06003340	Plug, 9P
JJ07	1	1	1	1	YJ06002440	Jack, 4P
JU01	1	1	1	1	YP06002440	Plug, 9P
JU02	1	1	1	1	YP06002400	Plug, 4P
LK01	1	1	1	1	LC24750700	Choke Coil, 4.7mH
LK02	1	1	1	1	LC24750700	Choke Coil, 4.7mH
LK03	1	1	1	1	LC22260700	Choke Coil, 22mH
LK04	1	1	1	1	LC22260700	Choke Coil, 22mH
SJ01	1	1	1	1	SS04020600	Slide Switch

- (U): for U.S.A.
- (N): for Europe
- (A): for Australia
- (P): for PX

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
						PL01-BIAS OSC CIRCUIT BOARD
PL01	1	1	1	1	YK159T1820	P.W. Board, Bias OSC
	1	1	1	1	ZZ159T1820	P.W. Board Assembly
						PL01-CAPACITORS
CL01	1	1	1	1	EA33601630	Elect 33μF 16V
CL02	1	1	1	1	EA33601630	Elect 33μF 16V
CL03	1	1	1	1	DF15472310	Film 4700pF ±5%
CL04	1	1	1	1	DF15103350	Film 0.01μF ±5%
CL05	1	1	1	1	DF15222550	Film 2200pF ±5%
CL06	1	1	1	1	DF15221550	Film 220pF ±5%
CL07	1	1	1	1	DF15221550	Film 220pF ±5%
CL08	1	1	1	1	EA10701630	Elect 100μF 16V
CL13	1	1	1	1	DF15223350	Film 0.022μF ±5%
CL14	1	1	1	1	DF15223350	Film 0.022μF ±5%
						PL01-RESISTORS (All Resistors are ±5% & ¼W)
RL01	1	1	1	1	GD05102140	1KΩ
RL02	1	1	1	1	GG05033140	3.3Ω
RL03	1	1	1	1	GD05103140	10KΩ
RL04	1	1	1	1	NF02100140	10Ω, Fuse
RL05	1	1	1	1	GD05222140	2.2KΩ
						PL01-SEMICONDUCTORS
QL01	1	1	1	1	HT313832B0	Transistor 2SC1383(Q,R)
QL02	1	1	1	1	HT313832B0	Transistor 2SC1383(Q,R)
						PL01-MISCELLANEOUS
JL01	1	1	1	1	YP06003330	Plug, 3P
JL02	1	1	1	1	YJ06002270	Jack, 8P
JL03	1	1	1	1	YJ06002270	Jack, 8P
LL01	1	1	1	1	TC10130040	OSC Transformer, 105KHz
LL02	1	1	1	1	LC22250600	Choke Coil, 2.2mH
						PU01-TAPE SELECTOR/ DOLBY NR SW. CIRUCIT BOARD
PU01	1	1	1	1	YK159T1830	P.W. Board, Tape Selector/ Dolby NR SW.
	1	1	1	1	ZZ159T1380	P.W. Board Assembly
						PU01-CAPACITORS
CU01	1	1	1	1	DF15223350	Film 0.022μF ±5%
CU02	1	1	1	1	DF15223350	Film 0.022μF ±5%
CU03	1	1	1	1	DF15333350	Film 0.033μF ±5%
CU04	1	1	1	1	DF15333350	Film 0.033μF ±5%

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
						PU01-RESISTORS (All Resistors are ±5% & ¼W)
RU01	1	1	1	1	GD05222140	2.2KΩ
RU02	1	1	1	1	GD05222140	2.2KΩ
RU03	1	1	1	1	GD05682140	6.8KΩ
RU04	1	1	1	1	GD05682140	6.8KΩ
RU05	1	1	1	1	GD05122140	1.2KΩ
RU06	1	1	1	1	GD05122140	1.2KΩ
RU07	1	1	1	1	GD05272140	2.7KΩ
RU08	1	1	1	1	GD05272140	2.7KΩ
RU13	1	1	1	1	GD05561140	560Ω
RU14	1	1	1	1	GD05102140	1KΩ
RU15	1	1	1	1	GD05471140	470Ω
RU16	1	1	1	1	GD05102140	1KΩ
RU17	1	1	1	1	GD05103140	10KΩ
RU18	1	1	1	1	GG05181120	180Ω ½W
RU19	1	1	1	1	GD05473140	47KΩ
RU20	1	1	1	1	GD05103140	10KΩ
						PU01-MISCELLANEOUS
VU01	1	1	1	1	IN10080620	Lamp 50mA 8V
WU01	1	1	1	1	YU08300260	Jumper Lead, 8P
WU02	1	1	1	1	YU04360260	Jumper Lead, 4P
						PU02-DIRECTION SWITCH CIRCUIT BOARD
PU02	1	1	1	1	YK159T1840	P.W. Board, Direction SW.
	1	1	1	1	ZZ159T1840	P.W. Board Assembly
						PU02-SEMICONDUCTORS
DY01	1	1	1	1	HI10026210	L.E.D. LD-603MG
DY02	1	1	1	1	HI10026210	L.E.D. LD-603MG
						PU02-MISCELLANEOUS
JY01	1	1	1	1	YB00320120	Connective Cord, 4P
SY01	1	1	1	1	SP01010840	Push Switch
SY02	1	1	1	1	SP01010840	Push Switch
						PX01-LED METER/REC VOLUME CIRCUIT BOARD
PX01	1	1	1	1	YK159T1840	P.W. Board, LED Meter/ Rec Volume
	1	1	1	1	ZZ159T1840	P.W. Board Assembly
						PX01-CAPACITORS
CX01	1	1	1	1	EA47405030	Elect 0.47μF 50V
CX02	1	1	1	1	EA47405030	Elect 0.47μF 50V
CX05	1	1	1	1	EJ47601610	Elect 47μF 16V
						PX01-RESISTORS (All Resistors are ±5% & ¼W)
RX01	1	1	1	1	GD05681140	680Ω
RX02	1	1	1	1	GD05681140	680Ω
RX03	1	1	1	1	GD05681140	680Ω
RX04	1	1	1	1	GD05681140	680Ω
RX05	1	1	1	1	GD05681140	680Ω
RX06	1	1	1	1	GD05681140	680Ω

- (U): for U.S.A.
- (N): for Europe
- (A): for Australia
- (P): for PX

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
RX07	1	1	1	1	GD05152140	1.5KΩ
RX08	1	1	1	1	GD05152140	1.5KΩ
RX09	1	1	1	1	GD05152140	1.5KΩ
RX10	1	1	1	1	GD05152140	1.5KΩ
RX11	1	1	1	1	GD05153140	15KΩ
RX12	1	1	1	1	GD05153140	15KΩ
RX16	1	1	1	1	RD05030210	50KΩ(A) x 2,Variable
RX21	1	1	1	1	GD05561140	560Ω
RX22	1	1	1	1	GD05821140	820Ω
RX23	1	1	1	1	GD05222140	2.2KΩ
						PX01-SEMICONDUCTORS
DX01 ~ DX06	6	6	6	6	HI10045030	L.E.D. SLP-256B(GRN)
DX07 ~ DX10	4	4	4	4	HI10044030	L.E.D. SLP-156B(RED)
DX11	1	1	1	1	HI10045030	L.E.D. SLP-256B(GRN)
DX12	1	1	1	1	HI10045030	L.E.D. SLP-256B(GRN)
DX13	1	1	1	1	HI10046030	L.E.D. SLP-481C-50(YEL)
DX14	1	1	1	1	HI10037030	L.E.D. SLP-981C-50(RED)
DX15	1	1	1	1	HI10038030	L.E.D. SLP-281F-50U(GRN)
DX16	1	1	1	1	HI10038030	L.E.D. SLP-281F-50U(GRN)
QX01	1	1	1	1	HC10069050	IC TA7666P
						PX01-MISCELLANEOUS
WX01	1	1	1	1	YU08200260	Jumper Lead, 8P
WX02	1	1	1	1	YU05120260	Jumper Lead, 5P
						P600-DOLUBY NR/B-C CIRCUIT BOARD
P600	1	1	1	1	YK159T1880	P.W. Board, Dolby NR/B-C
	1	1	1	1	ZZ159T1880	P.W. Board Assembly
						P600-CAPACITORS
C601	1	1	1	1	EA47601630	Elect 47μF 16V
C602	1	1	1	1	EA47601630	Elect 47μF 16V
C603	1	1	1	1	DD15151370	Ceramic 150pF ±5%
C604	1	1	1	1	DD15151370	Ceramic 150pF ±5%
C605	1	1	1	1	DF15222310	Film 2200pF ±5%
C606	1	1	1	1	DF15222310	Film 2200pF ±5%
C607	1	1	1	1	EA10701630	Elect 100μF 16V
C608	1	1	1	1	EA10701630	Elect 100μF 16V
C609	1	1	1	1	EA10601630	Elect 10μF 16V
C610	1	1	1	1	EA10601630	Elect 10μF 16V
C611	1	1	1	1	EA10505030	Elect 1μF 50V
C612	1	1	1	1	EA10505030	Elect 1μF 50V
C613	1	1	1	1	EA22701030	Elect 220μF 10V
C614	1	1	1	1	EA22701030	Elect 220μF 10V
C615	1	1	1	1	DF15333350	Film 0.033μF ±5%
C616	1	1	1	1	DF15333350	Film 0.033μF ±5%
C617	1	1	1	1	DF15103350	Film 0.01μF ±5%
C618	1	1	1	1	DF15103350	Film 0.01μF ±5%
C619	1	1	1	1	EA47503530	Elect 4.7μF 35V
C620	1	1	1	1	EA47503530	Elect 4.7μF 35V

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
C621	1	1	1	1	DF15183350	Film 0.018μF ±5%
C622	1	1	1	1	DF15183350	Film 0.018μF ±5%
C623	1	1	1	1	EA33405030	Elect 0.33μF 50V
C624	1	1	1	1	EA33405030	Elect 0.33μF 50V
C625	1	1	1	1	DF15154350	Film 0.15μF ±5%
C626	1	1	1	1	DF15154350	Film 0.15μF ±5%
C627	1	1	1	1	EA47405030	Elect 0.47μF 50V
C628	1	1	1	1	EA47405030	Elect 0.47μF 50V
C629	1	1	1	1	EA33405030	Elect 0.33μF 50V
C630	1	1	1	1	EA33405030	Elect 0.33μF 50V
C631	1	1	1	1	EA33405030	Elect 0.33μF 50V
C632	1	1	1	1	EA33405030	Elect 0.33μF 50V
C633	1	1	1	1	EA10601630	Elect 10μF 16V
C634	1	1	1	1	EA10601630	Elect 10μF 16V
C635	1	1	1	1	EA22601630	Elect 22μF 16V
C636	1	1	1	1	EA22601630	Elect 22μF 16V
C637	1	1	1	1	EA10505030	Elect 1μF 50V
C638	1	1	1	1	EA10505030	Elect 1μF 50V
C689	1	1	1	1	EA10601630	Elect 10μF 50V
C640	1	1	1	1	EA10601630	Elect 10μF 50V
C641	1	1	1	1	DF15182310	Film 1800pF ±5%
C642	1	1	1	1	DF15182310	Film 1800pF ±5%
C643	1	1	1	1	EA47405030	Elect 0.47μF 50V
C644	1	1	1	1	EA47405030	Elect 0.47μF 50V
C645	1	1	1	1	DF15154350	Film 0.15μF ±5%
C646	1	1	1	1	DF15154350	Film 0.15μF ±5%
C647	1	1	1	1	DF15823350	Film 0.082μF ±5%
C648	1	1	1	1	DF15823350	Film 0.082μF ±5%
C649	1	1	1	1	EA47503530	Elect 4.7μF 35V
C650	1	1	1	1	EA47503530	Elect 4.7μF 35V
C651	1	1	1	1	DF15822310	Film 8200pF ±5%
C652	1	1	1	1	DF15822310	Film 8200pF ±5%
C653	1	1	1	1	DF15472310	Film 4700pF ±5%
C654	1	1	1	1	DF15472310	Film 4700pF ±5%
C655	1	1	1	1	DF15562310	Film 5600pF ±5%
C656	1	1	1	1	DF15562310	Film 5600pF ±5%
C657	1	1	1	1	DD15390370	Ceramic 39pF ±5%
C658	1	1	1	1	DD15390370	Ceramic 39pF ±5%
C659	1	1	1	1	DF15102310	Film 1000pF ±5%
C660	1	1	1	1	DF15102310	Film 1000pF ±5%
C667	1	1	1	1	EA10701630	Elect 100μF 16V
						P600-RESISTORS (All Resistors are ±5% & ¼W)
R601	1	1	1	1	GD05155140	1.5MΩ
R602	1	1	1	1	GD05155140	1.5MΩ
R603	1	1	1	1	GD05562140	5.6KΩ
R604	1	1	1	1	GD05562140	5.6KΩ
R605	1	1	1	1	GD05222140	2.2KΩ
R606	1	1	1	1	GD05222140	2.2KΩ
R607	1	1	1	1	GD05222140	2.2KΩ
R608	1	1	1	1	GD05222140	2.2KΩ
R609	1	1	1	1	GD05472140	4.7KΩ
R610	1	1	1	1	GD05472140	4.7KΩ
R611	1	1	1	1	GD05393140	39KΩ
R612	1	1	1	1	GD05393140	39KΩ

- (U): for U.S.A.
- (N): for Europe
- (A): for Australia
- (P): for PX

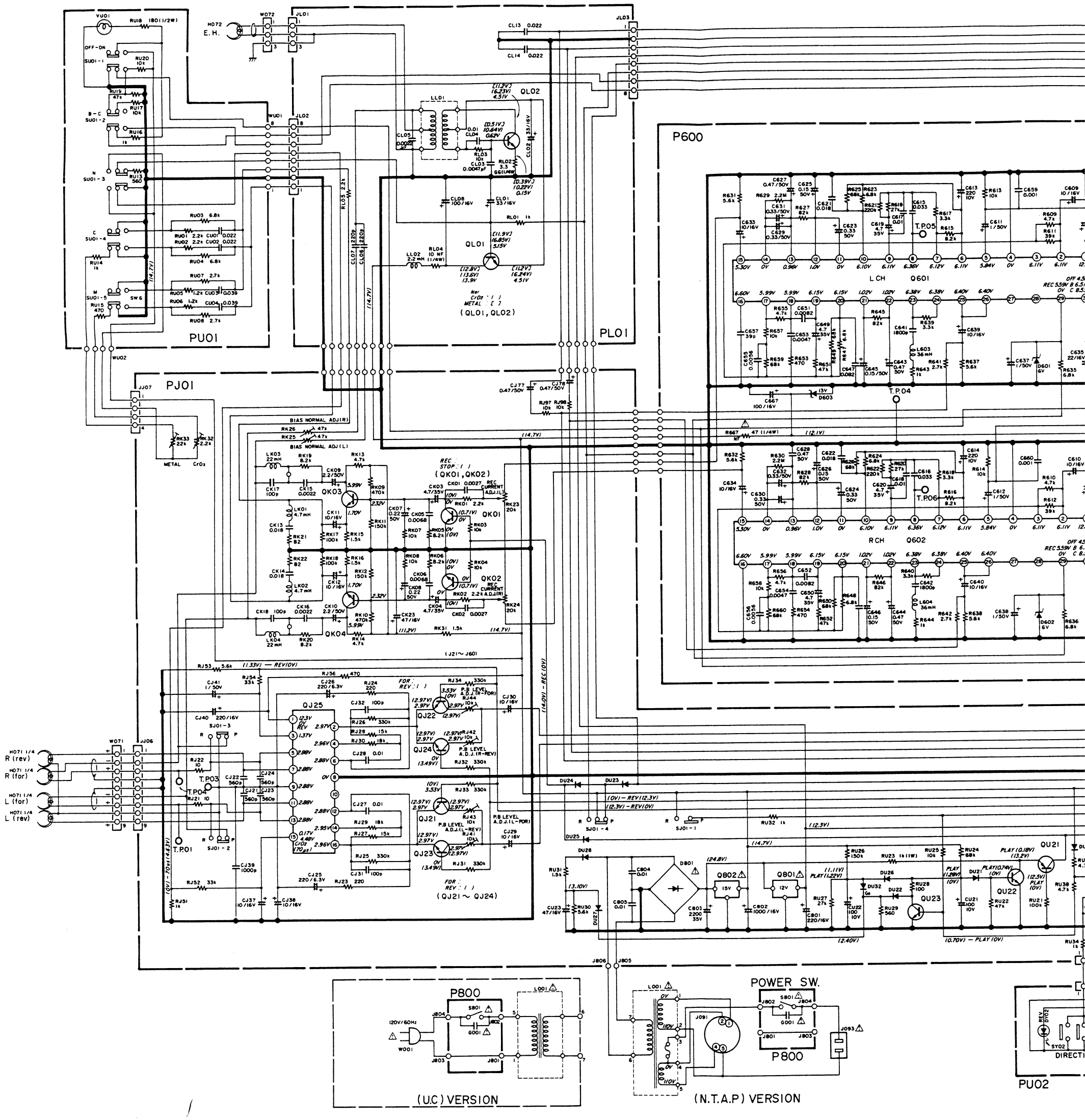
REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
R613	1	1	1	1	GD05103140	10KΩ
R614	1	1	1	1	GD05103140	10KΩ
R615	1	1	1	1	GD05822140	8.2KΩ
R616	1	1	1	1	GD05822140	8.2KΩ
R617	1	1	1	1	GD05332140	3.3KΩ
R618	1	1	1	1	GD05332140	3.3KΩ
R619	1	1	1	1	GD05273140	27KΩ
R620	1	1	1	1	GD05273140	27KΩ
R621	1	1	1	1	GD05224140	220KΩ
R622	1	1	1	1	GD05224140	220KΩ
R623	1	1	1	1	GD05682140	6.8KΩ
R624	1	1	1	1	GD05682140	6.8KΩ
R625	1	1	1	1	GD05683140	68KΩ
R626	1	1	1	1	GD05683140	68KΩ
R627	1	1	1	1	GD05823140	82KΩ
R628	1	1	1	1	GD05823140	82KΩ
R629	1	1	1	1	GD05225140	2.2MΩ
R630	1	1	1	1	GD05225140	2.2MΩ
R631	1	1	1	1	GD05562140	5.6KΩ
R632	1	1	1	1	GD05562140	5.6KΩ
R633	1	1	1	1	GD05333140	33KΩ
R634	1	1	1	1	GD05333140	33KΩ
R635	1	1	1	1	GD05682140	6.8KΩ
R636	1	1	1	1	GD05682140	6.8KΩ
R637	1	1	1	1	GD05562140	5.6KΩ
R638	1	1	1	1	GD05562140	5.6KΩ
R639	1	1	1	1	GD05332140	3.3KΩ
R640	1	1	1	1	GD05332140	3.3KΩ
R641	1	1	1	1	GD05272140	2.7KΩ
R642	1	1	1	1	GD05272140	2.7KΩ
R643	1	1	1	1	GD05102140	1KΩ
R644	1	1	1	1	GD05102140	1KΩ
R645	1	1	1	1	GD05823140	82KΩ
R646	1	1	1	1	GD05823140	82KΩ
R647	1	1	1	1	GD05682140	6.8KΩ
R648	1	1	1	1	GD05682140	6.8KΩ
R649	1	1	1	1	GD05683140	68KΩ
R650	1	1	1	1	GD05683140	68KΩ
R651	1	1	1	1	GD05473140	47KΩ
R652	1	1	1	1	GD05473140	47KΩ
R653	1	1	1	1	GD05471140	470Ω
R654	1	1	1	1	GD05471140	470Ω
R655	1	1	1	1	GD05472140	4.7KΩ
R656	1	1	1	1	GD05472140	4.7KΩ
R657	1	1	1	1	GD05103140	10KΩ
R658	1	1	1	1	GD05103140	10KΩ
R659	1	1	1	1	GD05683140	68KΩ
R660	1	1	1	1	GD05683140	68KΩ
⚠R667	1	1	1	1	NF02470140	47Ω, Fuse
						P600-SEMICONDUCTORS
D601	1	1	1	1	HD30040060	Zener RD5.6E-B3
D602	1	1	1	1	HD30040060	Zener RD5.6E-B3
D603	1	1	1	1	HD30022020	Zener MA1130-M
Q601	1	1	1	1	HC10065010	IC HA12058NT
Q602	1	1	1	1	HC10065010	IC HA12058NT
Q603	1	1	1	1	HT318451U0	Transistor 2SC1845(U)
Q604	1	1	1	1	HT318451U0	Transistor 2SC1845(U)

REF. DESIG.	Q'TY U	N	A	P	PART NO.	DESCRIPTION
						P600-MISCELLANEOUS
L601	1	1	1	1	LS10440050	M.P.X. Coil
L602	1	1	1	1	LS10440050	M.P.X. Coil
L603	1	1	1	1	LC23660700	Choke Coil, 36mH
L604	1	1	1	1	LC23660700	Choke Coil, 36mH
						P800-POWER SWITCH CIRCUIT BOARD
P800	1	1	1	1	YK159T1850	P.W. Board, Power Switch
	1	1	1	1	ZA159T1850	P.W. Board Assembly
⚠G001	1	1	1	1	DK18103840	Ceramic Cap. 0.01μF AC400V
J801	1				YL01010040	Terminal
J802	1	1	1	1	YL01010040	Terminal
⚠S801	1	1	1	1	SP01010650	Push Switch

(W01-99)	Assembly and Wiring
(T01-99)	Adjustment
(X01-00)	Correction

NOTE ON SAFETY:
Symbol ⚠ Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol ⚠. Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

13. SCHEMATIC DIAGRAM

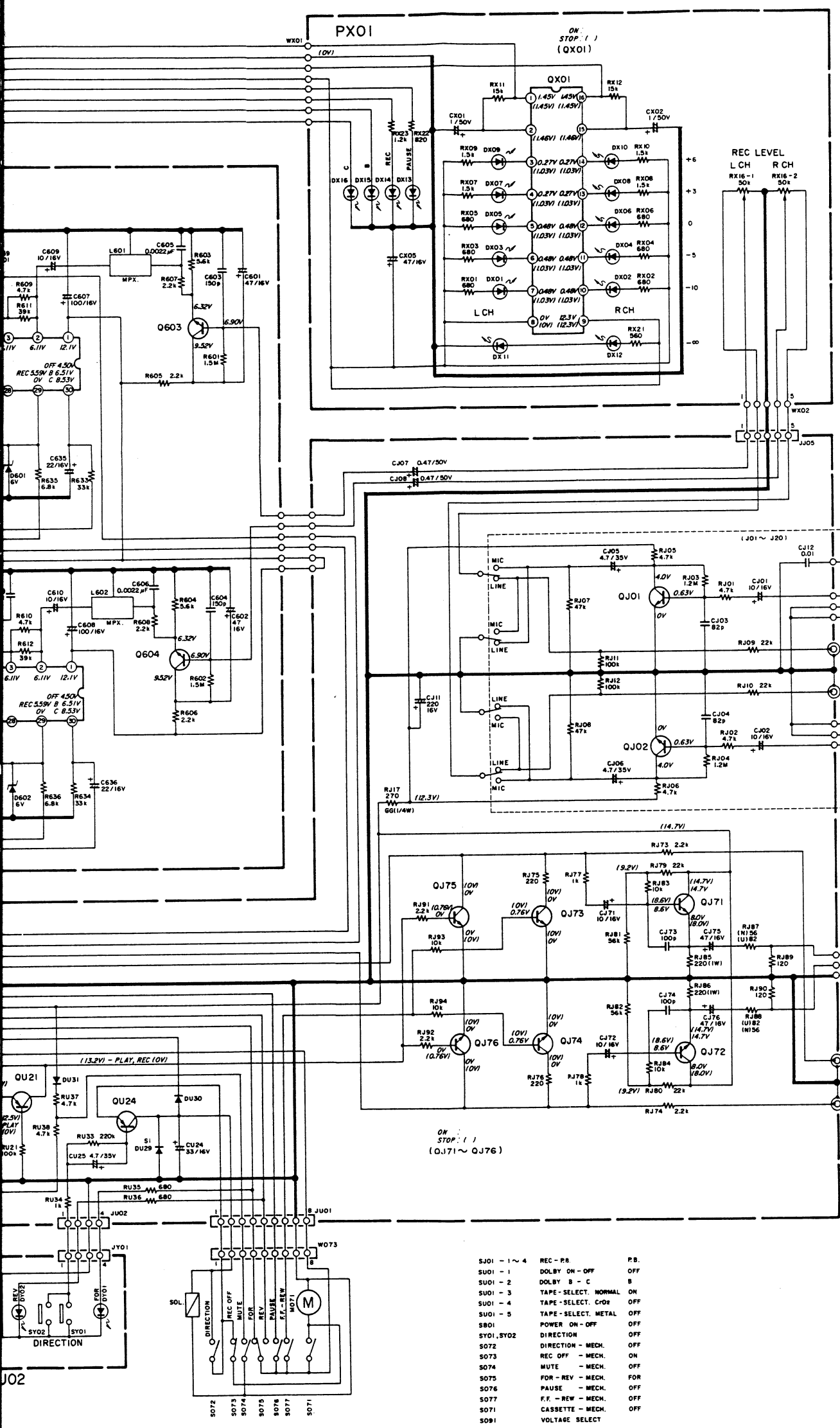


NOTE ON SAFETY :

Symbol ⚠ Fire or electrical shock hazard. Only original parts should be used to replace any part marked with symbol ⚠. Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

Marantz 396

Model SD340



SJ01 ~ 1 ~ 4	REC - P.B.	P.B.
SU01 ~ 1	DOLBY ON - OFF	OFF
SU01 ~ 2	DOLBY B - C	B
SU01 ~ 3	TAPE - SELECT. NORMAL	ON
SU01 ~ 4	TAPE - SELECT. CrO2	OFF
SU01 ~ 5	TAPE - SELECT. METAL	OFF
S801	POWER ON - OFF	OFF
SY01, SY02	DIRECTION	OFF
S072	DIRECTION - MECH.	OFF
S073	REC OFF - MECH.	ON
S074	MUTE - MECH.	OFF
S075	FOR - REV - MECH.	FOR
S076	PAUSE - MECH.	OFF
S077	F.F. - REW - MECH.	OFF
S071	CASSETTE - MECH.	OFF
S091	VOLTAGE SELECT	

QJ25
HC10109050
TA7405P

Q601, Q602
HC10065010
HA12058

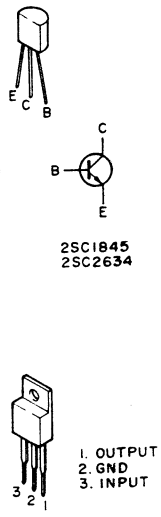
Q801
HC38512090
TA78M12A

Q802
HC38515090
TA78M15A

QX01
HC10069050
TA7666P

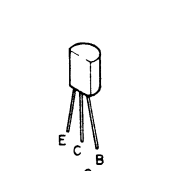
QU24
HT106832B0
2SA683 Q.R

QU21
HT107332A0
2SA733 P.Q

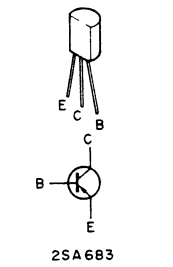


QL01, QL02
HT313832B0
2SC1383 Q.R

QJ01, QJ02
Q603, Q604
HT318451U0
2SC1845(U)



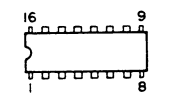
QJ21 ~ QJ24
QJ71 ~ QJ76
QK01 ~ QK04
QU22, QU23
HT326342B0
2SC2634 S.T



DX01 ~ DX06
DX11, DX12
H110045030
SLP-256B

DX07 ~ DX10
H110044030
SLP-156B

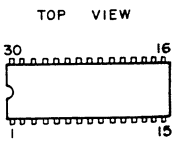
DX13
H110046030
SLP-481C-50



DX14
H110037030
SLP-981C-50

DX15, DX16
H110038030
SLP-281F-50U

DY01, DY02
H110026210
LD-603MG



DU21, DU23 ~ DU25
DU27 ~ DU31
HD20001000
MA150

DU22, DU26, DU32
HD10004020
0A91

D801
HD20027080
RB-152

D603
HD30022020
MA1130

D601, D602
HD30040060
RD5.6E B3

Components and wiring are subject to change for modification without notice.